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OM protein - protein search, using sw model

Run on: March 26, 2005, 07:56:55 ; Search time 26.8949 Seconds
(without alignments)
1332.278 Million cell updates/sec

Title: US-09-237-981E-10
Perfect score: 2669
Sequence: 1 MKHLVAMLLVGLSLGVQFQF.....MSWYGRITRLSELLCABEE 480

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/prodata/1/aaa/5A COMB.pep:*
2: /cgn2_6/prodata/1/aaa/5B COMB.pep:*
3: /cgn2_6/prodata/1/aaa/6A COMB.pep:*
4: /cgn2_6/prodata/1/aaa/6B COMB.pep:*
5: /cgn2_6/prodata/1/aaa/PCTUS COMB.pep:*
6: /cgn2_6/prodata/1/aaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|--------|-------------|--------|----|---------------------|
| 1 | 2669 | 100.0 | 480 | 2 | US-08-480-229C-10 |
| 2 | 2669 | 100.0 | 480 | 2 | US-08-659-235C-10 |
| 3 | 2519.5 | 94.4 | 513 | 2 | US-08-480-229C-14 |
| 4 | 2519.5 | 94.4 | 513 | 2 | US-08-659-235C-14 |
| 5 | 2403 | 90.0 | 448 | 4 | US-09-949-016-10130 |
| 6 | 1645.5 | 61.7 | 321 | 2 | US-08-480-229C-21 |
| 7 | 1645.5 | 61.7 | 321 | 2 | US-08-659-235C-21 |
| 8 | 1242 | 46.5 | 221 | 2 | US-08-480-229C-29 |
| 9 | 1242 | 46.5 | 221 | 2 | US-08-659-235C-29 |
| 10 | 1160.5 | 43.5 | 463 | 2 | US-08-162-402B-9 |
| 11 | 1136 | 42.6 | 465 | 2 | US-08-162-402B-8 |
| 12 | 1023 | 38.3 | 387 | 2 | US-08-162-402B-6 |
| 13 | 933.5 | 35.0 | 320 | 2 | US-08-480-229C-20 |
| 14 | 933.5 | 35.0 | 320 | 2 | US-08-659-235C-20 |
| 15 | 694 | 26.0 | 2183 | 3 | US-08-746-111-5 |
| 16 | 684 | 25.6 | 2224 | 4 | US-09-054-272-38 |
| 17 | 675 | 25.3 | 2319 | 1 | US-08-212-133A-8 |
| 18 | 675 | 25.3 | 2319 | 1 | US-08-474-503-6 |
| 19 | 675 | 25.3 | 2319 | 2 | US-08-670-707A-6 |
| 20 | 675 | 25.3 | 2319 | 3 | US-09-037-601-6 |
| 21 | 675 | 25.3 | 2319 | 3 | US-09-315-179-6 |
| 22 | 675 | 25.3 | 2319 | 4 | US-09-523-656-28 |
| 23 | 675 | 25.3 | 2319 | 5 | PCT-US94-13200-6 |
| 24 | 660.5 | 24.7 | 2304 | 3 | US-09-324-867-4 |
| 25 | 651.5 | 24.4 | 2332 | 1 | US-08-276-594A-2 |
| 26 | 648.5 | 24.3 | 2351 | 6 | 5422260-1 |
| 27 | 648.5 | 24.3 | 2351 | 6 | 5422260-1 |

| | | | | | | |
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| 28 | 647.5 | 24.3 | 1438 | 3 | US-09-209-916-1 | Sequence 1, Appli |
| 29 | 647.5 | 24.3 | 1457 | 4 | US-09-001-039B-47 | Sequence 47, Appli |
| 30 | 647.5 | 24.3 | 1471 | 1 | US-08-683-839B-3 | Sequence 3, Appli |
| 31 | 647.5 | 24.3 | 1661 | 2 | US-08-882-083-2 | Sequence 2, Appli |
| 32 | 647.5 | 24.3 | 1661 | 2 | US-08-558-107-2 | Sequence 2, Appli |
| 33 | 647.5 | 24.3 | 1661 | 3 | US-09-243-539-2 | Sequence 2, Appli |
| 34 | 647.5 | 24.3 | 2332 | 1 | US-07-864-004B-4 | Sequence 4, Appli |
| 35 | 647.5 | 24.3 | 2332 | 1 | US-08-251-937A-4 | Sequence 4, Appli |
| 36 | 647.5 | 24.3 | 2332 | 1 | US-08-212-133A-2 | Sequence 2, Appli |
| 37 | 647.5 | 24.3 | 2332 | 1 | US-08-474-503-2 | Sequence 2, Appli |
| 38 | 647.5 | 24.3 | 2332 | 2 | US-08-670-707A-2 | Sequence 2, Appli |
| 39 | 647.5 | 24.3 | 2332 | 3 | US-09-037-601-2 | Sequence 2, Appli |
| 40 | 647.5 | 24.3 | 2332 | 3 | US-09-324-867-3 | Sequence 3, Appli |
| 41 | 647.5 | 24.3 | 2332 | 3 | US-09-315-179-2 | Sequence 2, Appli |
| 42 | 647.5 | 24.3 | 2332 | 4 | US-09-523-656-2 | Sequence 2, Appli |
| 43 | 647.5 | 24.3 | 2332 | 4 | US-09-957-641A-2 | Sequence 2, Appli |
| 44 | 647.5 | 24.3 | 2332 | 5 | PCT-US93-03275-4 | Sequence 4, Appli |
| 45 | 647.5 | 24.3 | 2332 | 5 | PCT-US94-13200-2 | Sequence 2, Appli |

ALIGNMENTS

RESULT 1
US-08-480-229C-10
; Sequence 10, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quettermous, Thomas
; APPLICANT: Hogan, Brigit
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,229C
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0026-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-480-229C-10

Query Match: 100.0%; Score 2669; DB 2; Length 480;
Best Local Similarity 100.0%; Pred. No. 1.8e-212;
Matches 480; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MKHLVAMLLVGLSLGVQFQFGKDI CNPNPCNNGICLSGLADDSFSCPSGPGAPNCS 60
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1 MKHLVAALLVGLSLGVPQFGKGDICNPNPCENGICLSGLADDSFCECEPFGAGPNC 60
61 SVVEVASDEEKPTSGPCIPNPNCHNGGTCEISEAYRGDTFYGVCCKPRGFNGHCOHNI 120
61 SVVEVASDEEKPTSGPCIPNPNCHNGGTCEISEAYRGDTFYGVCCKPRGFNGHCOHNI 120
121 NECEAPCRNGGICTDLVANSCECEPFGMGRNCOYKCSGHLGIEGGIISNQOITASSNH 180
121 NECEAPCRNGGICTDLVANSCECEPFGMGRNCOYKCSGHLGIEGGIISNQOITASSNH 180
181 RALFGLQKWYPYARLNKGLINAWTAANDRWPMIQLNQRKRVTVGITQGAKEIGSP 240
181 RALFGLQKWYPYARLNKGLINAWTAANDRWPMIQLNQRKRVTVGITQGAKEIGSP 240
241 EYKSYKAIYNDGKTWAMYKVGTEEMVFRGNVDNNTPYANSFTPIKAQYVRLYPQI 300
241 EYKSYKAIYNDGKTWAMYKVGTEEMVFRGNVDNNTPYANSFTPIKAQYVRLYPQI 300
301 CRRHCTLRMELLCGELSGCSEPLGMKSGHIQDYQITASSVFTLNMDMFTWEPKARLDK 360
301 CRRHCTLRMELLCGELSGCSEPLGMKSGHIQDYQITASSVFTLNMDMFTWEPKARLDK 360
361 QGKVNATSGHNDOSQWLQVLLVPTKVTGIITQGAKEFGHVFVGSYKLAYSNDGEHWM 420
361 QGKVNATSGHNDOSQWLQVLLVPTKVTGIITQGAKEFGHVFVGSYKLAYSNDGEHWM 420
421 VHODEKORKKVPQGNFNDTHRNKVIDPPIYARFIRILPWSYGRITLRSLLGCABEE 480
421 VHODEKORKKVPQGNFNDTHRNKVIDPPIYARFIRILPWSYGRITLRSLLGCABEE 480

RESULT 2
US-08-659-235C-10
; Sequence 10, Application US/08659235C
; Patent No. 587281
; GENERAL INFORMATION:
; APPLICANT: Quettermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/08/659,235C
; FILING DATE: 05-JUN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0034-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

US-08-659-235C-10
Query Match 100.0%; Score 2669; DB 2; Length 480;
Best Local Similarity 100.0%; Pred. No. 1.8e-212; Indels 0; Gaps 0;
Matches 480; Conservative 0; Mismatches 0;
QY 1 MKHLVAALLVGLSLGVPQFGKGDICNPNPCENGICLSGLADDSFCECEPFGAGPNC 60
DB 1 MKHLVAALLVGLSLGVPQFGKGDICNPNPCENGICLSGLADDSFCECEPFGAGPNC 60
QY 61 SVVEVASDEEKPTSGPCIPNPNCHNGGTCEISEAYRGDTFYGVCCKPRGFNGHCOHNI 120
DB 61 SVVEVASDEEKPTSGPCIPNPNCHNGGTCEISEAYRGDTFYGVCCKPRGFNGHCOHNI 120
QY 121 NECEAPCRNGGICTDLVANSCECEPFGMGRNCOYKCSGHLGIEGGIISNQOITASSNH 180
DB 121 NECEAPCRNGGICTDLVANSCECEPFGMGRNCOYKCSGHLGIEGGIISNQOITASSNH 180
QY 181 RALFGLQKWYPYARLNKGLINAWTAANDRWPMIQLNQRKRVTVGITQGAKEIGSP 240
DB 181 RALFGLQKWYPYARLNKGLINAWTAANDRWPMIQLNQRKRVTVGITQGAKEIGSP 240
QY 241 EYKSYKAIYNDGKTWAMYKVGTEEMVFRGNVDNNTPYANSFTPIKAQYVRLYPQI 300
DB 241 EYKSYKAIYNDGKTWAMYKVGTEEMVFRGNVDNNTPYANSFTPIKAQYVRLYPQI 300
QY 301 CRRHCTLRMELLCGELSGCSEPLGMKSGHIQDYQITASSVFTLNMDMFTWEPKARLDK 360
DB 301 CRRHCTLRMELLCGELSGCSEPLGMKSGHIQDYQITASSVFTLNMDMFTWEPKARLDK 360
QY 361 QGKVNATSGHNDOSQWLQVLLVPTKVTGIITQGAKEFGHVFVGSYKLAYSNDGEHWM 420
DB 361 QGKVNATSGHNDOSQWLQVLLVPTKVTGIITQGAKEFGHVFVGSYKLAYSNDGEHWM 420
QY 421 VHODEKORKKVPQGNFNDTHRNKVIDPPIYARFIRILPWSYGRITLRSLLGCABEE 480
DB 421 VHODEKORKKVPQGNFNDTHRNKVIDPPIYARFIRILPWSYGRITLRSLLGCABEE 480

RESULT 3
US-08-480-229C-14
; Sequence 14, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quettermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0026-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090

TELEFAX: (212) 869-8864/9741
 TELEX: 66141 Pennie
 INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 513 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-480-229C-14

Query Match 94.4%; Score 2519.5; DB 2; Length 513;
 Best Local Similarity 94.2%; Pred. No. 4.6e-200;
 Matches 453; Conservative 9; Mismatches 18; Indels 1; Gaps 1;
 QY 1 MKHLVAWLLVGLSLGVPGKGDICNPNCENGICLSGLADDSFSCPCGFPAGPNC 60
 DB 33 MKRSVAVMLLVGLSLGVPGKGDICDPNCPENGICLPGLAVGSFSCPCGFTDPNCS 92
 QY 61 SVVEVASDEEKPSTAGPCIPNCHNGGTCEISEAYRGDTFYGVCCKPRGFGNGIHCQHN 120
 DB 93 SVVEVASDEEKPSTAGPCIPNCHNGGTCEISEAYRGDTFYGVCCKPRGFGNGIHCQHN 152
 QY 121 NECEAPCRNGGICTDLVANYSCPCGPFMRNCOYKCSGHLGIEGGIISNOQITASSNH 180
 DB 153 NECEVEPCRNKGICTDLVANYSCPCGPFMRNCOYKCSGHLGIEGGIISNOQITASSNH 212
 QY 181 RALFGLQKWYPYARLNKGLINAWTAANDRW- WQINLQKRWVTGVTITQAKRIGS 239
 DB 213 RALFGLQKWYPYARLNKGLINAWTAANDRW- WQINLQKRWVTGVTITQAKRIGS 272
 QY 240 PEYIKSYKIAYNDGKTWAMYKVTNEEMVFRGNVNDNTPYANSFTPIKAYVRLYPQ 299
 DB 273 PEYIKFYKIAYNDGKTWAMYKVTNEEMVFRGNVNDNTPYANSFTPIKAYVRLYPQ 332
 QY 300 ICRRHCTLRMELLCGSCSEPLGKSGHIQDYQITASSVFRITLMDMTWEPKARLD 359
 DB 333 VCRRHCTLRMELLCGSCSEPLGKSGHIQDYQITASSVFRITLMDMTWEPKARLD 392
 QY 360 KQKYNWNTSGHNDQSLQVLLVPTKVTGIIITQAKDFGHVQFVGSYKLAYSNDGEHW 419
 DB 393 KQKYNWNTSGHNDQSLQVLLVPTKVTGIIITQAKDFGHVQFVGSYKLAYSNDGEHW 452
 QY 420 MVHQDEKQKDKVFGQNFNDTHRNKVIDPPIYARHILPMSWYGRITLRSLLGCASE 479
 DB 453 TVYQDEKQKDKVFGQNFNDTHRNKVIDPPIYARHILPMSWYGRITLRSLLGCASE 512
 QY 480 E 480
 DB 513 E 513

RESULT 4
 US-08-659-235C-14
 Sequence 14, Application US/08659235C
 Patent No. 5877281
 GENERAL INFORMATION:
 APPLICANT: Quentemus, Thomas
 APPLICANT: Hogan, Brigid
 APPLICANT: Snodgrass, H. Ralph
 APPLICANT: Zupancic, Thomas J.
 TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
 TITLE OF INVENTION: CELL LOCUS-1
 NUMBER OF SEQUENCES: 29
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Pennie & Edmonds LLP
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: United States
 ZIP: 10036-2711
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/659,235C
 FILING DATE: 05-JUN-1996
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Poissant, Brian M.
 REGISTRATION NUMBER: 28,462
 REFERENCE/DOCKET NUMBER: 8907-0034-999
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9090
 TELEFAX: (212) 869-8864/9741
 TELEX: 66141 Pennie
 INFORMATION FOR SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 513 amino acids
 TYPE: amino acid
 STRANDEDNESS: unknown
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-659-235C-14

Query Match 94.4%; Score 2519.5; DB 2; Length 513;
 Best Local Similarity 94.2%; Pred. No. 4.6e-200;
 Matches 453; Conservative 9; Mismatches 18; Indels 1; Gaps 1;
 QY 1 MKHLVAWLLVGLSLGVPGKGDICNPNCENGICLSGLADDSFSCPCGFPAGPNC 60
 DB 33 MKRSVAVMLLVGLSLGVPGKGDICDPNCPENGICLPGLAVGSFSCPCGFTDPNCS 92
 QY 61 SVVEVASDEEKPSTAGPCIPNCHNGGTCEISEAYRGDTFYGVCCKPRGFGNGIHCQHN 120
 DB 93 SVVEVASDEEKPSTAGPCIPNCHNGGTCEISEAYRGDTFYGVCCKPRGFGNGIHCQHN 152
 QY 121 NECEAPCRNGGICTDLVANYSCPCGPFMRNCOYKCSGHLGIEGGIISNOQITASSNH 180
 DB 153 NECEVEPCRNKGICTDLVANYSCPCGPFMRNCOYKCSGHLGIEGGIISNOQITASSNH 212
 QY 181 RALFGLQKWYPYARLNKGLINAWTAANDRW- WQINLQKRWVTGVTITQAKRIGS 239
 DB 213 RALFGLQKWYPYARLNKGLINAWTAANDRW- WQINLQKRWVTGVTITQAKRIGS 272
 QY 240 PEYIKSYKIAYNDGKTWAMYKVTNEEMVFRGNVNDNTPYANSFTPIKAYVRLYPQ 299
 DB 273 PEYIKFYKIAYNDGKTWAMYKVTNEEMVFRGNVNDNTPYANSFTPIKAYVRLYPQ 332
 QY 300 ICRRHCTLRMELLCGSCSEPLGKSGHIQDYQITASSVFRITLMDMTWEPKARLD 359
 DB 333 VCRRHCTLRMELLCGSCSEPLGKSGHIQDYQITASSVFRITLMDMTWEPKARLD 392
 QY 360 KQKYNWNTSGHNDQSLQVLLVPTKVTGIIITQAKDFGHVQFVGSYKLAYSNDGEHW 419
 DB 393 KQKYNWNTSGHNDQSLQVLLVPTKVTGIIITQAKDFGHVQFVGSYKLAYSNDGEHW 452
 QY 420 MVHQDEKQKDKVFGQNFNDTHRNKVIDPPIYARHILPMSWYGRITLRSLLGCASE 479
 DB 453 TVYQDEKQKDKVFGQNFNDTHRNKVIDPPIYARHILPMSWYGRITLRSLLGCASE 512
 QY 480 E 480
 DB 513 E 513

RESULT 5
 US-09-949-016-10130
 Sequence 10130, Application US/09949016
 Patent No. 6812339
 GENERAL INFORMATION:
 APPLICANT: VENTER, J. Craig et al.
 TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

Wed Mar 30 17:27:06 2005

```
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 10130
LENGTH: 448
TYPE: PRT
ORGANISM: Human
US-09-949-016-10130

Query Match          90.0%; Score 2403; DB 4; Length 448;
Best Local Similarity 93.7%; Pred. No. 1.7e-190;
Matches 429; Conservative 8; Mismatches 11; Indels 10; Gaps 1;

QY 23 GDICNPNPCNGGICLSGLADDSFCECPGAGPNCSSWVEVASEDEKPTSGAGPCINP 82
DB 1 GDICDNPCNGGICLPLGADGFSCECPDGFDFDNCSSVVEV-----GPTENP 50

QY 83 CHNGGTCEISEAYRGDTFYGVCCKPRGFGNGIHCOHNECEABPCRNCGGICTDLVANY 142
DB 51 CHNGGTCEISEAYRGDTFYGVCCKPRGFGNGIHCOHNECEVEPCNKGGICTDLVANY 110

QY 143 CECGPEFMGNCQYKCSGHGIGGGIISNQOITASSNHRALFGLQKWPYFYARLNKKGII 202
DB 111 CECGPEFMGNCQYKCSGPGIGGGIISNQOITASSNHRALFGLQKWPYFYARLNKKGII 170

QY 203 NAWTAAENDRWPMIQLQRMKRVGTITQGAKRIGSPYIKSYKIAYSNDGKTWAMYKV 262
DB 171 NAWTAAENDRWPMIQLQRMKRVGTITQGAKRIGSPYIKSYKIAYSNDGKTWAMYKV 230

QY 263 KGTNEVMVFRGNVDNNTPYANSFTTPIKAQYVRLYPOICRRHCTLRMELLCGSCSEP 322
DB 231 KGTNEDVMFRGNVDNNTPYANSFTTPIKAQYVRLYPOICRRHCTLRMELLCGSCSEP 290

QY 323 LGMKSGHIQDYQITASSVFRNLNMDFTWEPKARLDKQGVNWTSGHNDQSOWLQVDL 382
DB 291 LGMKSGHIQDYQITASSVFRNLNMDFTWEPKARLDKQGVNWTSGHNDQSOWLQVDL 350

QY 383 LVPTKVTGIITQGAQKDFGVGSYKLAYSNDGHEHMTVQDEKQKDKVFGNFDNDTH 442
DB 351 LVPTKVTGIITQGAQKDFGVGSYKLAYSNDGHEHMTVQDEKQKDKVFGNFDNDTH 410

QY 443 RKNVIDPPIYARFIRILPWSWYGRITLRSELGCAEE 480
DB 411 RKNVIDPPIYARHILPWSWYGRITLRSELGCTEE 448

RESULT 6
US-08-480-229C-21
; Sequence 21, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quentormous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,229C
FILING DATE: 07-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0026-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 869-8864/9741
TELEFAX: (212) 869-8864/9741
TELEX: 66141 Pennie
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 321 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-480-229C-21

Query Match          61.7%; Score 1645.5; DB 2; Length 321;
Best Local Similarity 95.0%; Pred. No. 4.6e-128;
Matches 304; Conservative 4; Mismatches 11; Indels 1; Gaps 1;

QY 158 CSGHLEGIGGIIISNQOITASSNHRALFGLQKWPYFYARLNKKGIIINAWTAAENDRW 216
DB 1 CSGHLEGIGGIIISNQOITASSNHRALFGLQKWPYFYARLNKKGIIINAWTAAENDRW 60

QY 217 QINLQRMKRVGTITQGAKRIGSPYIKSYKIAYSNDGKTWAMYKVKGTTNEDVMVFRGNVD 276
DB 61 QINLQRMKRVGTITQGAKRIGSPYIKSYKIAYSNDGKTWAMYKVKGTTNEDVMVFRGNVD 120

QY 277 NNTPYANSFTTPIKAQYVRLYPOICRRHCTLRMELLCGSCSEPGLKSGHIQDYQIT 336
DB 121 NNTPYANSFTTPIKAQYVRLYPOICRRHCTLRMELLCGSCSEPGLKSGHIQDYQIT 180

QY 337 ASSVFRNLNMDFTWEPKARLDKQGVNWTSGHNDQSOWLQVDLVPKVTGIITQGA 396
DB 181 ASSVFRNLNMDFTWEPKARLDKQGVNWTSGHNDQSOWLQVDLVPKVTGIITQGA 240

QY 397 KDFGHVQFVGSYKLAYSNDGHEHMTVQDEKQKDKVFGNFDNDTHRKNVIDPPIYARFI 456
DB 241 KDFGHVQFVGSYKLAYSNDGHEHMTVQDEKQKDKVFGNFDNDTHRKNVIDPPIYARFI 300

QY 457 RILPWSWYGRITLRSELGCG 476
DB 301 RILPWSWYGRITLRSELGCG 320

RESULT 7
US-08-659-235C-21
; Sequence 21, Application US/08659235C
; Patent No. 5877281
; GENERAL INFORMATION:
; APPLICANT: Quentormous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
```

; ZIP: 10036-2711
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/659,235C
 ; FILING DATE: 05-JUN-1996
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Poissant, Brian M.
 ; REGISTRATION NUMBER: 28,462
 ; REFERENCE/DOCKET NUMBER: 8907-0034-999
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212) 790-9090
 ; TELEFAX: (212) 869-8864/9741
 ; TELEX: 66141 Pennie
 ; INFORMATION FOR SEQ ID NO: 21:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 321 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS:
 ; TOPOLOGY: unknown
 ; MOLECULE TYPE: protein
 ; US-08-659-235C-21

Query Match 61.7%; Score 1645.5; DB 2; Length 321;
 Best Local Similarity 95.0%; Pred. No. 4.6e-128;
 Matches 304; Conservative 4; Mismatches 11; Indels 1; Gaps 1;
 QY 158 CSGLHIEGIIISNOQITASSNNRHALFGLQKWYPYARLNKKGLINAWTAANDRW 216
 DB 1 CSGLHIEGIIISNOQITASSNNRHALFGLQKWYPYARLNKKGLINAWTAANDRW 60
 QY 217 QINLQRMVTVITQAKRIGSPYIKSYKIAYSDNGTKTMYKVGNTNEVMVFRGND 276
 DB 61 QINLQRMVTVITQAKRIGSPYIKSYKIAYSDNGTKTMYKVGNTNEVMVFRGND 120
 QY 277 NNTPYANSTFPTPKAIVRLYPOICRRHCTLRMLLGLCGSEPLGKMSGHIOYQIT 336
 DB 121 NNTPYANSTFPTPKAIVRLYPOICRRHCTLRMLLGLCGSEPLGKMSGHIOYQIT 180
 QY 337 ASSVFTLANMFTWEPKRLDKQGVNAWTSNGHNDQSQWLQVLLVPTKVTGIIITQGA 396
 DB 181 ASSVFTLANMFTWEPKRLDKQGVNAWTSNGHNDQSQWLQVLLVPTKVTGIIITQGA 240
 QY 397 KDFGHVQVGSYKLAYSDNGEHWVHDEKQKDKVQGNFNDTHRKVNDPPIYARFI 456
 DB 241 KDXGHVQVGSYKLAYSDNGEHWVHDEKQKDKVQGNFNDTHRKVNDPPIYARHI 300
 QY 457 RILPWSWYGRITLRSLLGC 476
 DB 301 RILPWSWYGRITLRSLLGC 320

RESULT 8
 US-08-480-229C-29
 ; Sequence 29, Application US/08480229C
 ; Patent No. 5874562
 ; GENERAL INFORMATION:
 ; APPLICANT: Quertemous, Thomas
 ; APPLICANT: Hogan, Brigid
 ; APPLICANT: Snodgrass, H. Ralph
 ; APPLICANT: Zupancic, Thomas J.
 ; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
 ; TITLE OF INVENTION: CELL LOCUS-1
 ; NUMBER OF SEQUENCES: 29
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Pennie & Edmonds LLP
 ; STREET: 1155 Avenue of the Americas
 ; CITY: New York
 ; STATE: New York

; COUNTRY: United States
 ; ZIP: 10036-2711
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/480,229C
 ; FILING DATE: 07-JUN-1995
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Poissant, Brian M.
 ; REGISTRATION NUMBER: 28,462
 ; REFERENCE/DOCKET NUMBER: 8907-0026-999
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212) 790-9090
 ; TELEFAX: (212) 869-8864/9741
 ; TELEX: 66141 Pennie
 ; INFORMATION FOR SEQ ID NO: 29:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 221 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; FRAGMENT TYPE: internal
 ; US-08-480-229C-29

Query Match 46.5%; Score 1242; DB 2; Length 221;
 Best Local Similarity 98.2%; Pred. No. 6.5e-95;
 Matches 216; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
 QY 1 MKHLVAAMLVGLSLGVPOFGKGDICNPNPCENGGICLSGLADDSFSCPCPGFAGPNC 60
 DB 1 MKHLVAAMLVGLSLGVPOFGKGDICNPNPCENGGICLSGLADDSFSCPCPGFAGPNC 60
 QY 61 SVVEVASDEKETSAGPCIPNPNCHNGTCEISEAYRGDTFFIGVCKCPRGFNGIHCOHNI 120
 DB 61 SVVEVASDEKETSAGPCIPNPNCHNGTCEISEAYRGDTFFIGVCKCPRGFNGIHCOHNI 120
 QY 121 NECEAEPCNNGICTDLVANYSCPCPGFPMGRNCQYKCSGHLGIEGGIISNOQITASSNH 180
 DB 121 NECEAEPCNNGICTDLVANYSCPCPGFPMGRNCQYKCSGHLGIEGGIISNOQITASSNH 180
 QY 181 RALFGLQKWYPYARLNKKGLINAWTAANDRWPMIQLN 220
 DB 181 RALFGLQKWYPYARLNKKGLINAWTAANDRWPMIQLN 220

RESULT 9
 US-08-659-235C-29
 ; Sequence 29, Application US/08659235C
 ; Patent No. 5877281
 ; GENERAL INFORMATION:
 ; APPLICANT: Quertemous, Thomas
 ; APPLICANT: Hogan, Brigid
 ; APPLICANT: Snodgrass, H. Ralph
 ; APPLICANT: Zupancic, Thomas J.
 ; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
 ; TITLE OF INVENTION: CELL LOCUS-1
 ; NUMBER OF SEQUENCES: 29
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Pennie & Edmonds LLP
 ; STREET: 1155 Avenue of the Americas
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: United States
 ; ZIP: 10036-2711
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS

;; SOFTWARE: PatentIn Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/659,235C
;; FILING DATE: 05-JUN-1996
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Poissant, Brian M.
;; REGISTRATION NUMBER: 28,462
;; REFERENCE/DOCKET NUMBER: 8907-0034-999
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212) 790-9090
;; TELEFAX: (212) 869-8864/3741
;; TELEX: 66141 Pennie
;; INFORMATION FOR SEQ ID NO: 29:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 221 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; FRAGMENT TYPE: internal
;; US-08-659-235C-29

Query Match 46.5%; Score 1242; DB 2; Length 221;
Best Local Similarity 98.2%; Pred. No. 6.5e-95;
Matches 216; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 MKHLVAWLVLGLSLGVPQFGKGDICNPNCENGICLSGLADDSFSCPCPGFAGPNC 60
Db 1 MKHLVAWLVLGLSLGVPQFGKGDICNPNCENGICLSGLADDSFSCPCPGFAGPNC 60

QY 61 SVVEVASDEKPTSGPCIPNCHNGTGTCEISAYRGDTFIVGVCKPFGNGIHCQNI 120
Db 61 SVVEVASDEKPTSGPCIPNCHNGTGTCEISAYRGDTFIVGVCKPFGNGIHCQNI 120

QY 121 NECEAEPCRNCGICTDLVANSCECFPMGRNCQKCSGHLGIEGGIISNQITASSNH 180
Db 121 NECEAEPCRNCGICTDLVANSCECFPMGRNCQKCSGHLGIEGGIISNQITASSNH 180

QY 181 RALFGLQKWPYYARLNKGLINAWTAANDRPWFIQINL 220
Db 181 RALFGLQKWPYYARLNKGLINAWTAANDRPWFIQIVT 220

RESULT 10
US-08-162-402B-9
; Sequence 9, Application US/08162402B
; Patent No. 5972337
; GENERAL INFORMATION:
; APPLICANT: CERIANI, ROBERTO L.
; APPLICANT: PETERSON, JERRY A.
; APPLICANT: LAROCCA, DAVID J.
; TITLE OF INVENTION: 46 KDALTON HUMAN MILK FAT
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pretty, Schroeder & Poplawski
; STREET: 444 South Flower St., 19th Floor
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/162,402B
; FILING DATE: 03-DEC-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:

;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Anzel, Viviana
;; REGISTRATION NUMBER: 30,930
;; REFERENCE/DOCKET NUMBER: P66 38215
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 213-622-7700
;; TELEFAX: 213-489-4210
;; TELEX:
;; INFORMATION FOR SEQ ID NO: 9:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 463 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: unknown
;; TOPOLOGY: unknown
;; MOLECULE TYPE: peptide
;; US-08-162-402B-9

Query Match 43.5%; Score 1160.5; DB 2; Length 463;
Best Local Similarity 48.5%; Pred. No. 9.2e-88;
Matches 222; Conservative 74; Mismatches 139; Indels 23; Gaps 8;

QY 23 GDICNPNPCENGICLSGLADDSFSCPCPGFAGPNCSSVVEVASDEKPTSGPCIPNP 82
Db 25 GDFCDSSLCLNGTCLTG-QNDIYCLCPGFTGLVCNE-----TERGPCSPNP 72

QY 83 CHNGGTCEIS-EAYRGDTFIVGVCKPFGNGIHCQNI NECEAEPCRNCGICTDLVANY 141
Db 73 CYNDAKCLVLTDTORGDIIFYICQCPGVSGIHCEITETVYNLD---GEYMTTAVPNT 129

QY 142 SCECPGEF--MGRNCQKCSGHLGIEGGIISNQITASSNH RALFGLQKWPYYARLNK 199
Db 130 AVPTPAPTDLNNLASRCSQTLGMEGAIADSOISAYVYMGFMGLQRMGPGLARLYRT 189

QY 200 GLINAWTAANDRPWFIQINLQKWPYYARLNKGLINAWTAANDRPWFIQINL 259
Db 190 GIVNAHASNYDSLFWIQVNLRLKRWVSGVWQIQAASRAGRAEYLKTFKVAISLGRKPEF 249

QY 260 YK-VKGTNEEMVFRGNVDNNTFYANSFTPIKAQVRLYPOICRRHCTLRNELLGCELSG 318
Db 250 IODESGGDK--FLGNLNNLSKVMFNFTLEAEYIRLYPVSVCHRGCTLRFELLGCELHG 307

QY 319 CSEPLGMSGHIQDYQITASSVFRITLNDMTWEPKARLDKQKVAWTSQHSNQSOWL 378
Db 308 CLEPLGLKNNTIPDSQMSASSYKTNLRAFVWPHLGRDLNQKINAWTSQHSNQSOWL 367

QY 379 OYDLVLPVTKVGIITQGAQDFGHVQVGSYKLAYSNDGEHWMVHODEKQKDKVFPQGNFD 438
Db 368 QVDLGTQVGIITQGAQDFGHVQVGSYKVAHSDGQVQTVY--EFQSSKVPQGNLD 425

QY 439 NDTHRNVIDPPIYARFIRILPWSWYGRITRSELLGC 476
Db 426 NNSHKKNIFEKPFMARKVRLPVSWHNRITLRLLELGC 463

RESULT 11
US-08-162-402B-8
; Sequence 8, Application US/08162402B
; Patent No. 5972337
; GENERAL INFORMATION:
; APPLICANT: CERIANI, ROBERTO L.
; APPLICANT: PETERSON, JERRY A.
; APPLICANT: LAROCCA, DAVID J.
; TITLE OF INVENTION: 46 KDALTON HUMAN MILK FAT
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pretty, Schroeder & Poplawski
; STREET: 444 South Flower St., 19th Floor
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90071

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/162,402B
; FILING DATE: 03-DEC-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: P66 38215
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 213-622-7700
; TELEFAX: 213-489-4210
; TELEX:
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 465 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-162-402B-8

Query Match 42.6%; Score 1136; DB 2; Length 465;
Best Local Similarity 47.8%; Pred. No. 9.8e-86;
Matches 228; Conservative 64; Mismatches 155; Indels 30; Gaps 8;

QY 4 LVAALLVGLSLGVPQKGDI CNPNPCENGICLGLADDSFCPCPEGACPGCSSVV 63
DB 15 LCAPSLILVALD-----DFCDSSLCLNGGTLTG-QNDIYCLCPGFTGLVNE-- 62

QY 64 EVASDEBKPTSGACIPNPNCHNGGTC-EISEAYRGDTFTGYVCKCPRGFNGIHCOHNE 122
DB 63 -----TERGICSKNPNCHNGGLCEEISQEVRGDVFPSTCTCLKGAGNHCETETNY 113

QY 123 CEAPCPENGICITDLVANYSCPCGEPF--MGRNCQVCKSGHLGIEGGIISNOQITASSNH 180
DB 114 YNLD---GEYMFATAVPTAPPTDLSNNLASKCPEPLGMENGNANSQIAASSVR 170

QY 181 RALFGLQKVPYVARLNKGLINAWTAANDRWPIQINLQKRWVTGVTGAKRIGSP 240
DB 171 VTFGLQHWVPELARLNAGMVAWNPSSNDNPNQVNLRRMWVTGVTGASRLASH 230

QY 241 EYIKSYKIAYSNDGKTW-AMYKVKGTNEEMVFRGNVDNNTPYANSFTPIKAQYVRLYPQ 299
DB 231 EYLKAFKVAAYSLNGHEFPDPIHDVNKKHKEFV--GNWKNVAVHNLFPETVEAQYVRLYPT 288

QY 300 ICRHCTLRMELGCLSGCSBPLGMSGHIQDYQITASSVFTLNMDMFTWEPKARLD 359
DB 289 SHTACTLRPELLGCELNGCANPLGLKNSIPDKQITASSSSYKTWGLHLFWSNPSYARLD 348

QY 360 KQCKVNAWTSNDQSQWLVDLLVPTKVTGIIITQAKDFGHVQVGSYKLAYSNDGEHW 419
DB 349 KQGNFNAWAGSNGNDQWLQVGLSGSKEVTGIIITQAGRNFGSVQVFSYKVAYSNDANW 408

QY 420 MVHQDEKQRKDKVQFNGFNDRKRVDPPIYARFIRILPWSWYGRITLRSLLGC 476
DB 409 TEYQDPRTGSSKIFPGNWDNHSKKNLPETPILARYVRLIPVAWHNRILRLLELLGC 465

RESULT 12
US-08-162-402B-6
; Sequence 6, Application US/08162402B
; Patent No. 5972337
; GENERAL INFORMATION:
; APPLICANT: CERIANI, ROBERTO L.
; APPLICANT: PETERSON, JERRY A.
```

```

; APPLICANT: LARocca, DAVID J.
; TITLE OF INVENTION: 46 KDALTON HUMAN MILK FAT
; TITLE OF INVENTION: GLOBULE (HMFG) ANTIGEN, FRAGMENTS & FUSION PROTEIN
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pretty, Schroeder & Poplawski
; STREET: 444 South Flower St., 19th Floor
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/162,402B
; FILING DATE: 03-DEC-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: P66 38215
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 213-622-7700
; TELEFAX: 213-489-4210
; TELEX:
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 387 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-162-402B-6

Query Match 38.3%; Score 1023; DB 2; Length 387;
Best Local Similarity 48.9%; Pred. No. 1.7e-76;
Matches 196; Conservative 55; Mismatches 108; Indels 42; Gaps 4;

QY 78 CIPNPNCHNGGTC-EISEAYRGDTFTGYVCKCPRGFNGIHCOHNECEABPCRNNGICTD 136
DB 27 CSKNPNCHNGGLCEEISQEVRGDVFPSTCTCLKGAGNH----- 65

QY 137 LVANYSCPCGPFMGRNCQVCKSGHLGIEGGIISNOQITASSNHRALFGLQKWPYPYARL 196
DB 66 -----CETKCVPEPLGMENGNANSQIAASSVRVTFGLQHWVPELARL 108

QY 197 NKKGLINAWTAANDRWPIQINLQKRWVTGVTGAKRIGSP EYIKSYKIAYSNDGKT 256
DB 109 NRAMGVNAWTPSNDNPNQVNLRRMWVTGVTGASRLASH EYLKAFKVAYSUNGHE 168

QY 257 W-AMYKVKGTNEEMVFRGNVDNNTPYANSFTPIKAQYVRLYPQICRRHCTLRMELGCE 315
DB 169 PFIHDVNKKHKEFV--GNWKNVAVHNLFPETVEAQYVRLYPTTSCHTACTLRPELLGCE 226

QY 316 LSGCSEPLGMSGHIQDYQITASSVFTLNMDMFTWEPKARLDKQKVNAMTSGHNDQS 375
DB 227 LNCANPLGLKNSIPDKQITASSSYKTWGLHLFWSNPSYARLDKQGNFNAWVAGSYGND 286

QY 376 QWLQVDLLVPTKVTGIIITQAKDFGHVQVGSYKLAYSNDGEHWVHQDEKQRKDKVFOG 435
DB 287 QWLQVDLGSSEKVTGIIITQAGRNFGSVQVFSYKVAYSNDSANWTEYQDPRTGSSKIFPG 346

QY 436 NFDNDTHRKVDIPPIYARFIRILPWSWYGRITLRSLLGC 476
DB 347 NWDNHSKKNLPETPILARYVRLIPVAWHNRILRLLELLGC 387
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RESULT 13

US-08-480-229C-20
; Sequence 20, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quettermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,229C
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0026-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 320 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-480-229C-20

Query Match 35.0%; Score 933.5; DB 2; Length 320;
Best Local Similarity 54.1%; Pred. No. 3.3e-69;
Matches 173; Conservative 53; Mismatches 93; Indels 1; Gaps 1;
QY 158 CSGLHGLEGGIISNQITASSNHRALFGLQKWPYYARLNKKGLINAWTAEND-RWPWI 216
Db 1 CSTQLGMEGGAIDASQISASVYVGMGLQWGPFLARLYRTGIYNVHASNVDXSKPMI 60
QY 217 QINLQKRWYTVGITQGAKRIGSPYIKSYKIAYSNDGKTWAMYKVKGTEEMVFRGNVD 276
Db 61 QVNLRLKRWVSGVMTQASRAGRAEYLKTFKVAYSLDGKXKPEFIQDESGDGKEFLGNLD 120
QY 277 NNTPYANSFTPIKAQYVRLYPOICRRHCTLRMELLCGSCSEPLGKMSGHIQDYQIT 336
Db 121 NNSLKVNMFNPTLEAQYIRLYPVVSVCHRGCTLRPELGLGCELHGCLPELGLKNNITPDSQMS 180
QY 337 ASSVFRTLNMDFTWEPKARLDKQKVNAMTSGHNDQSOWLOVDLLVPTKVTGIIITQGA 396
Db 181 ASSYKTNWLRFAFGWYPHGLRLDNQKINAWTAQNSAKEWLOVDLGTQRTQVGTIIITQGA 240
QY 397 KDFGHVQVGSYKLAYSNDGEHVMVHODEKQKDKVFGQNFNDTRKKNVIDPPIYARFI 456
Db 241 RDFGHIQVYESYKVAHSDGQVWTVYXXEBSGSSKVFQGNLDNNSKKNIFEKPFMARVY 300
QY 457 RILPWSWYGRITLRSELLGC 476
Db 301 RVLFPVSHNRITLRLELLGC 320

RESULT 14

US-08-659-235C-20
; Sequence 20, Application US/08659235C
; Patent No. 5877281
; GENERAL INFORMATION:
; APPLICANT: Quettermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/659,235C
; FILING DATE: 05-JUN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0034-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 320 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-659-235C-20

Query Match 35.0%; Score 933.5; DB 2; Length 320;
Best Local Similarity 54.1%; Pred. No. 3.3e-69;
Matches 173; Conservative 53; Mismatches 93; Indels 1; Gaps 1;
QY 158 CSGLHGLEGGIISNQITASSNHRALFGLQKWPYYARLNKKGLINAWTAEND-RWPWI 216
Db 1 CSTQLGMEGGAIDASQISASVYVGMGLQWGPFLARLYRTGIYNVHASNVDXSKPMI 60
QY 217 QINLQKRWYTVGITQGAKRIGSPYIKSYKIAYSNDGKTWAMYKVKGTEEMVFRGNVD 276
Db 61 QVNLRLKRWVSGVMTQASRAGRAEYLKTFKVAYSLDGKXKPEFIQDESGDGKEFLGNLD 120
QY 277 NNTPYANSFTPIKAQYVRLYPOICRRHCTLRMELLCGSCSEPLGKMSGHIQDYQIT 336
Db 121 NNSLKVNMFNPTLEAQYIRLYPVVSVCHRGCTLRPELGLGCELHGCLPELGLKNNITPDSQMS 180
QY 337 ASSVFRTLNMDFTWEPKARLDKQKVNAMTSGHNDQSOWLOVDLLVPTKVTGIIITQGA 396
Db 181 ASSYKTNWLRFAFGWYPHGLRLDNQKINAWTAQNSAKEWLOVDLGTQRTQVGTIIITQGA 240
QY 397 KDFGHVQVGSYKLAYSNDGEHVMVHODEKQKDKVFGQNFNDTRKKNVIDPPIYARFI 456
Db 241 RDFGHIQVYESYKVAHSDGQVWTVYXXEBSGSSKVFQGNLDNNSKKNIFEKPFMARVY 300
QY 457 RILPWSWYGRITLRSELLGC 476
Db 301 RVLFPVSHNRITLRLELLGC 320

Job time : 27.8949 secs

RESULT 15
US-08-746-111-5
; Sequence 5, Application US/08746111
; Patent No. 6066778
; GENERAL INFORMATION:
; APPLICANT: Ginsburg, David
; APPLICANT: Cui, Jisong
; TITLE OF INVENTION: Compositions And Methods For Screening
; TITLE OF INVENTION: Compounds For Anticoagulant Activity
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/746,111
; FILING DATE: 06-NOV-1996
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: UM-02536
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2183 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-746-111-5

Query Match 26.0%; Score 694; DB 3; Length 2183;
Best Local Similarity 43.8%; Pred. No. 2.5e-48;
Matches 144; Conservative 51; Mismatches 112; Indels 22; Gaps 5;

QY 157 KCSGHLGIEGIIISNQITASSNHRALFGLQKWPYPYARLNKKGLINAW-----TAAENDR 212
DB 1865 ECKQPMGLSTGVISDSQIKASEY-----LTYWEPRLARLNAGSYNAWSIEKTALDFPI 1918

QY 213 WPMIQLNQRKRVTVITQAKRIGSPEYIKS-----YKIAYSDNGKTWAMYKVGKTNE 267
DB 1919 KPWIQVDMQXEVVTVGIQTQAK-----HYLKSCFTTEFOVAYSSDOTWQIIFRGSGKS 1973

QY 268 EMVFRGNVDNNTPYANSFTPIKAQYVRLYPQICRRHCTLRMBELLCGLSCGCEPLGMKS 327
DB 1974 VMYFTGNSDGTIKENRLOPPIVARVIRIHPTKSYNRPTLRLELQCEVNGCSTPLGLE 2033

QY 328 GHLDYQITASSVFTILNDMFTWEPKRLDKQKKNWNTSGHNDQSOHLQVDLLVPTK 387
DB 2034 GRIQDKQITASSPKSWGDI--WEPFLARLNAQGRVNAWQAKANNKQWLQVDLLKIKK 2091

QY 388 VTGIIITQGAQDFGHVGVSGYKLAYSNDGSHWVHODEKQKDKVFGNFDNDTHEKNVI 447
DB 2092 VTAIVTQCKSLSEMYVKSYSIQYSDQGVAMWPKPIQKSGSMVDKIPEGNSNTKGHMKNFF 2151

QY 448 DPPIYARFIRILPWSWYGRITLSELG 476
DB 2152 NPPIISRFIRIIPKTNQSLALRLFLGC 2180

Search completed: March 26, 2005, 08:07:53

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 26, 2005, 08:04:50 ; Search time 63.5019 Seconds
(without alignments)
2502.733 Million cell updates/sec

Title: US-09-237-981E-10

Perfect score: 2669

Sequence: 1 MKHLVAMLLVGLSGVPGF.....MSWGYRITLRSELLGCAEE 480

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1407402 seqs, 331100923 residues

Total number of hits satisfying chosen parameters: 1407402

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:

- 1: /cgn2_6/prodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/prodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/prodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/prodata/1/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/prodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/prodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/prodata/1/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/prodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/prodata/1/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/prodata/1/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/prodata/1/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/prodata/1/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/prodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/prodata/1/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/prodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/prodata/1/pubpaa/US10D_PUBCOMB.pep.*
- 17: /cgn2_6/prodata/1/pubpaa/US10_NEW_PUB.pep.*
- 18: /cgn2_6/prodata/1/pubpaa/US11_NEW_PUB.pep.*
- 19: /cgn2_6/prodata/1/pubpaa/US60_NEW_PUB.pep.*
- 20: /cgn2_6/prodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|---------------------|
| 1 | 2559 | 95.9 | 480 | 14 | US-10-177-293-122 |
| 2 | 1148 | 43.0 | 434 | 16 | US-10-485-360-10 |
| 3 | 1025 | 38.4 | 379 | 15 | US-10-108-260A-3405 |
| 4 | 1024 | 38.4 | 387 | 14 | US-10-190-593-4 |
| 5 | 1023 | 38.3 | 395 | 16 | US-10-485-360-7 |
| 6 | 1023 | 38.3 | 612 | 16 | US-10-485-360-30 |
| 7 | 960.5 | 36.0 | 498 | 16 | US-10-485-360-27 |
| 8 | 922 | 34.5 | 480 | 16 | US-10-485-360-26 |
| 9 | 914.5 | 34.3 | 343 | 14 | US-10-190-593-2 |
| 10 | 836 | 31.3 | 335 | 16 | US-10-408-765A-1474 |
| 11 | 836 | 31.3 | 343 | 16 | US-10-485-360-8 |
| 12 | 689 | 25.8 | 2196 | 15 | US-10-360-101-259 |
| 13 | 689 | 25.8 | 2224 | 14 | US-10-115-563-14 |

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|----|-------|------|------|----|--------------------|---------------------|
| 14 | 689 | 25.8 | 2224 | 14 | US-10-172-713-31 | Sequence 31, Appl |
| 15 | 684 | 25.6 | 2224 | 16 | US-10-741-601-542 | Sequence 542, Appl |
| 16 | 684 | 25.6 | 2224 | 17 | US-10-741-600-1561 | Sequence 1561, Appl |
| 17 | 675 | 25.3 | 2319 | 14 | US-10-187-319-6 | GENERAL INFORMA |
| 18 | 675 | 25.3 | 2319 | 14 | US-10-131-510A-6 | Sequence 6, Appl |
| 19 | 650.5 | 24.4 | 1459 | 15 | US-10-239-498A-4 | Sequence 4, Appl |
| 20 | 650.5 | 24.4 | 1459 | 15 | US-10-239-498A-15 | Sequence 15, Appl |
| 21 | 647.5 | 24.3 | 1438 | 13 | US-10-006-091-1 | Sequence 1, Appl |
| 22 | 647.5 | 24.3 | 1438 | 13 | US-10-047-257-1 | Sequence 1, Appl |
| 23 | 647.5 | 24.3 | 1438 | 14 | US-10-225-900-1 | Sequence 1, Appl |
| 24 | 647.5 | 24.3 | 1459 | 15 | US-10-239-498A-13 | Sequence 13, Appl |
| 25 | 647.5 | 24.3 | 1471 | 13 | US-10-095-718-2 | Sequence 2, Appl |
| 26 | 647.5 | 24.3 | 1471 | 15 | US-10-681-970-2 | Sequence 2, Appl |
| 27 | 647.5 | 24.3 | 2332 | 9 | US-09-957-641-2 | Sequence 2, Appl |
| 28 | 647.5 | 24.3 | 2332 | 14 | US-10-187-319-2 | Sequence 2, Appl |
| 29 | 647.5 | 24.3 | 2332 | 14 | US-10-131-510A-2 | Sequence 2, Appl |
| 30 | 647.5 | 24.3 | 2332 | 15 | US-10-445-235-2 | Sequence 2, Appl |
| 31 | 647.5 | 24.3 | 2332 | 15 | US-10-360-101-239 | Sequence 229, Appl |
| 32 | 647.5 | 24.3 | 2332 | 15 | US-10-239-498A-2 | Sequence 2, Appl |
| 33 | 647.5 | 24.3 | 2332 | 16 | US-10-466-998A-1 | Sequence 1, Appl |
| 34 | 647.5 | 24.3 | 2332 | 16 | US-10-721-997A-34 | Sequence 34, Appl |
| 35 | 647.5 | 24.3 | 2351 | 14 | US-10-132-829-4 | Sequence 4, Appl |
| 36 | 647.5 | 24.3 | 2351 | 14 | US-10-172-712-27 | Sequence 27, Appl |
| 37 | 647.5 | 24.3 | 2351 | 14 | US-10-133-907-4 | Sequence 4, Appl |
| 38 | 647.5 | 24.3 | 2351 | 15 | US-10-411-037-30 | Sequence 30, Appl |
| 39 | 647.5 | 24.3 | 2351 | 15 | US-10-411-026-30 | Sequence 30, Appl |
| 40 | 647.5 | 24.3 | 2351 | 15 | US-10-410-962-30 | Sequence 30, Appl |
| 41 | 647.5 | 24.3 | 2351 | 15 | US-10-411-049-30 | Sequence 30, Appl |
| 42 | 647.5 | 24.3 | 2351 | 16 | US-10-410-930-30 | Sequence 30, Appl |
| 43 | 647.5 | 24.3 | 2351 | 16 | US-10-410-997-30 | Sequence 30, Appl |
| 44 | 647.5 | 24.3 | 2351 | 16 | US-10-411-012-30 | Sequence 30, Appl |
| 45 | 647.5 | 24.3 | 2351 | 16 | US-10-287-994-30 | Sequence 30, Appl |

ALIGNMENTS

RESULT 1

US-10-177-293-122
; Sequence 122, Application US/10177293
; Publication No. US20030124128A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarpu, Manjula
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: East Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; FILE REFERENCE: MRI-038
; PREVENTION, AND THERAPY OF BREAST CANCER
; CURRENT APPLICATION NUMBER: US/10177,293
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25

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; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 122
; LENGTH: 480
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-177-293-122

Query Match          95.9%; Score 2559; DB 14; Length 480;
Best Local Similarity 95.2%; Pred. No. 1.4e-214;
Matches 457; Conservative 9; Mismatches 14; Indels 0; Gaps 0;

QY 1 MKHLVAWLLVGLSLGVPQFGKGDICNPNCENGICLSGLADDSFSCPCPGFAGPNC 60
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Db 1 MKRSVAVWLLVGLSLGVPQFGKGDICDPNCPENGICLPGLADGSPSCPCPDGFTDPCS 60
   |||||

QY 61 SVVEVASDEEKPTSGAGPCINPCHNGTCEISEAYRGDTFIVGVCKCPRGNGIHCQNI 120
   |||||
Db 61 SVVEVASDBEETPSAGCTPNPCHNGTCEISEAYRGDTFIVGVCKCPRGNGIHCQNI 120
   |||||

QY 121 NECEAPPCRNNGGICTDLVANYSCPCPFMGRNCQYKCSGHLGIEGGIISNOQITASSNH 180
   |||||
Db 121 NECEVFPCKNGGICTDLVANYSCPCPFMGRNCQYKCSGHLGIEGGIISNOQITASSNH 180
   |||||

QY 181 RALFGLQKVPYYARLNKKGLINAWTAAENDRPWTQINLQKRVTVGVITOGAKRIGSP 240
   |||||
Db 181 RALFGLQKVPYYARLNKKGLINAWTAAENDRPWTQINLQKRVTVGVITOGAKRIGSP 240
   |||||

QY 241 EYIKSVKIAYNDGKTWAMYKVKGTNEEMVFRGNDNNTPYANSETPPKIAQVRLYPOI 300
   |||||
Db 241 EYIKSVKIAYNDGKTWAMYKVKGTNEEMVFRGNDNNTPYANSETPPKIAQVRLYPOI 300
   |||||

QY 301 CRRHCTLRMELLGCELSGCEPLGMSGHIQDYQITASSVFRFLNMDFTWEPKARLDK 360
   |||||
Db 301 CRRHCTLRMELLGCELSGCEPLGMSGHIQDYQITASSVFRFLNMDFTWEPKARLDK 360
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QY 361 QGKVNATWSGHNDSQSLQVLDLVPVKVTGIITOGAKDFGVQFVGSYKLAISNDGEHM 420
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   |||||

QY 421 VHODEKORKDKVQGGNPDNTHRKVIDPPIYARFIRILPWSVYGRITLRSLLGCAEBE 480
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Db 421 VYQDEKORKDKVQGGNPDNTHRKVIDPPIYARFIRILPWSVYGRITLRSLLGCTEEB 480
   |||||

RESULT 2
US-10-485-360-10
; Sequence 10, Application US/10485360
; Publication No. US20040197314A1
; GENERAL INFORMATION:
; APPLICANT: Le Pecq, Jean-Bernard
; TITLE OF INVENTION: Methods and Compounds for the Targeting of Protein to Exosomes
; FILE REFERENCE: B0094W0
; CURRENT APPLICATION NUMBER: US/10/485,360
; CURRENT FILING DATE: 2004-01-30
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; LENGTH: 434
; TYPE: PRT
; ORGANISM: Mus sp.
; US-10-485-360-10

Query Match          43.0%; Score 1148; DB 16; Length 434;
Best Local Similarity 47.6%; Pred. No. 1.7e-91;
Matches 217; Conservative 69; Mismatches 114; Indels 56; Gaps 7;

QY 23 GDICNPFCENGIGICLSGLADDSFSCPCPFAGPNCSSVVEVASDBEKTSGAGCIPNP 82
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Db 23 GDICNPFCENGIGICLSGLADDSFSCPCPFAGPNCSSVVEVASDBEKTSGAGCIPNP 82
   |||||

; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 122
; LENGTH: 480
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-177-293-122

Query Match          95.9%; Score 2559; DB 14; Length 480;
Best Local Similarity 95.2%; Pred. No. 1.4e-214;
Matches 457; Conservative 9; Mismatches 14; Indels 0; Gaps 0;

QY 1 MKHLVAWLLVGLSLGVPQFGKGDICNPNCENGICLSGLADDSFSCPCPGFAGPNC 60
   |||||
Db 1 MKRSVAVWLLVGLSLGVPQFGKGDICDPNCPENGICLPGLADGSPSCPCPDGFTDPCS 60
   |||||

QY 61 SVVEVASDEEKPTSGAGPCINPCHNGTCEISEAYRGDTFIVGVCKCPRGNGIHCQNI 120
   |||||
Db 61 SVVEVASDBEETPSAGCTPNPCHNGTCEISEAYRGDTFIVGVCKCPRGNGIHCQNI 120
   |||||

QY 121 NECEAPPCRNNGGICTDLVANYSCPCPFMGRNCQYKCSGHLGIEGGIISNOQITASSNH 180
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Db 121 NECEVFPCKNGGICTDLVANYSCPCPFMGRNCQYKCSGHLGIEGGIISNOQITASSNH 180
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QY 181 RALFGLQKVPYYARLNKKGLINAWTAAENDRPWTQINLQKRVTVGVITOGAKRIGSP 240
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Db 181 RALFGLQKVPYYARLNKKGLINAWTAAENDRPWTQINLQKRVTVGVITOGAKRIGSP 240
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QY 241 EYIKSVKIAYNDGKTWAMYKVKGTNEEMVFRGNDNNTPYANSETPPKIAQVRLYPOI 300
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QY 301 CRRHCTLRMELLGCELSGCEPLGMSGHIQDYQITASSVFRFLNMDFTWEPKARLDK 360
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Db 301 CRRHCTLRMELLGCELSGCEPLGMSGHIQDYQITASSVFRFLNMDFTWEPKARLDK 360
   |||||

QY 361 QGKVNATWSGHNDSQSLQVLDLVPVKVTGIITOGAKDFGVQFVGSYKLAISNDGEHM 420
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Db 361 QGKVNATWSGHNDSQSLQVLDLVPVKVTGIITOGAKDFGVQFVGSYKLAISNDGEHM 420
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QY 421 VHODEKORKDKVQGGNPDNTHRKVIDPPIYARFIRILPWSVYGRITLRSLLGCAEBE 480
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Db 421 VYQDEKORKDKVQGGNPDNTHRKVIDPPIYARFIRILPWSVYGRITLRSLLGCTEEB 480
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RESULT 3
US-10-108-260A-3405
; Sequence 3405, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20040005560A1el full length cdna
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3405
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-108-260A-3405

Query Match          38.4%; Score 1025; DB 15; Length 379;
Best Local Similarity 48.9%; Pred. No. 7.9e-81;
Matches 196; Conservative 56; Mismatches 107; Indels 42; Gaps 4;

QY 78 CTPNCHNGGTC-EISEAYRGDTFIVGVCKCPRGNGIHCQININECEAPPCNGGICTD 136
   |||||
Db 19 CSKNPCHNGGLCEEISQEVGRGVFPSTCTCLKGAGNH----- 57
   |||||

QY 137 LVANYSCECPGFMGRNCQYKCSGHLGIEGGIISNOQITASSNHRALFGLQKVPYYARL 196
   |||||
Db 58 -----CETKCVPLGMENGINANSQINASSVTVTFGLQHWVPELARL 100
   |||||

QY 197 NKKGLINAWTAAENDRPWTQINLQKRVTVGVITOGAKRIGSPYIKSYKIAYNDGKT 256
   |||||
Db 101 NRAGMVAWNTSSSDNDNPWQVNLRRMWTGVVTQGSRLASHEYLKAFKAVAYSINLNGH 160
   |||||

QY 257 W-AMYKVKGTNEEMVFRGNDNNTPYANSETPPKIAQVRLYPOICRRHCTLRMELLGCE 315
   |||||
Db 161 FOFIHDVKNKKHKEFV--GNWNKNAVHVNLFETPEAQYVRLYPTSCHTACTIRFELLGCE 218
   |||||

QY 316 LSGCSPLGMSGHIQDYQITASSVFRFLNMDFTWEPKARLDKQKVNATWSGHNDSQ 375
   |||||
Db 219 LNCANPLGLKKNISPDKQITASSSYKVTWGLHLFSWNPYSARLDKQGNFNAVAGSYGND 278
   |||||
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Db 66 -----CETKCEPLGMENGNIANSQIAASSVRVTFGLQHWPELRL 108
Qy 197 NKGLINAWTAENDRWPIQINLQKRWVTGVIITQGAKRIGSPYIKSYKIAYSNQDKT 256
Db 109 NRAGVNAWTPSSNDNDNPWQNLRRWVTVGVITQGASRLASHEYLKAFKAVYSLNGHE 168
Qy 257 W-AMVKVKTNEBVMFRGVDNNTPYANSFTPIKAQVRLYPQICRRHCTLRWELLGCE 315
Db 169 FDFIHDVNNKHEFV--GNWKNVAVHVNLFETPEVAQVRLYPTSCHTACTLRPELLGCE 226
Qy 316 LGCSEPLGKSGHIQDYQITASSVFTRLMDMFTWEPKARLDKQGNVWTSNHDQS 375
Db 227 LNCANPLGLKNNIPDKQITASSSYKTWGLHLSFNWPSYARLDKQGNFNAWVAGSYND 286
Qy 376 QMLQVLLVPTKVTGIITQAKDFGHVQFVGSYKLAISNDGHEHVMVHDEKQDKVFG 435
Db 287 QMLQVLLGSSKEVTGIITQARNFGSVQFVASYKVAYSNDNSANWTEYQDPRTGSSKIFPG 346
Qy 436 NFDNDTHRNVDPPPIYARFIRLPWSWYGRITLSELGCG 476
Db 347 NWDNHSKKNLFPETILARYVRILPVAVHNRIALRLLELGC 387

RESULT 7
US-10-485-360-27
; Sequence 27, Application US/10485360
; Publication No. US20040197314A1
; GENERAL INFORMATION:
; APPLICANT: Delcayre, Alain
; TITLE OF INVENTION: Methods and Compounds for the Targeting of Protein to Exosomes
; FILE REFERENCE: B0094W0
; CURRENT APPLICATION NUMBER: US/10/485,360
; CURRENT FILING DATE: 2004-01-30
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Artificial Sequence
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Human IL2-human Lactadherin C1/C2 domain chimeric protein
US-10-485-360-27

Query Match 36.0%; Score 960.5; DB 16; Length 498;
Best Local Similarity 52.2%; Pred. No. 4.8e-75;
Matches 180; Conservative 57; Mismatches 105; Indels 3; Gaps 2;
Qy 133 ICTDLVANYSCGCEPFGWGRNCQYKCSGHLGIEGIIISNOQITASSNHRALFGLQKWYPY 192
Db 148 IISTLTPSYTCTCLKGAGNHCETKCVPEPLGMENGNIANSQIAASSVRVTFGLQHWPE 207
Qy 193 YARLNKGLINAWTAENDRWPIQINLQKRWVTGVIITQGAKRIGSPYIKSYKIAYSN 252
Db 208 LARLNAGVNAWTPSSNDNDNPWQNLRRWVTVGVITQGASRLASHEYLKAFKAVYSL 267
Qy 253 DGTW-AMVKVKTNEBVMFRGVDNNTPYANSFTPIKAQVRLYPQICRRHCTLRWELL 311
Db 268 NGHEFDFIHDVNNKHEFV--GNWKNVAVHVNLFETPEVAQVRLYPTSCHTACTLRPEL 325
Qy 312 LGCELSGCEPLGKSGHIQDYQITASSVFTRLMDMFTWEPKARLDKQGNVWTSNHDQS 371
Db 326 LGCELSGCEPLGKSGHIQDYQITASSVFTRLMDMFTWEPKARLDKQGNVWTSNHDQS 385
Qy 372 NDQSOVLQVLLVPTKVTGIITQAKDFGHVQFVGSYKLAISNDGHEHVMVHDEKQDK 431
Db 386 YGNDQVLLQVLLGSSKEVTGIITQARNFGSVQFVASYKVAYSNDNSANWTEYQDPRTGSSK 445
Qy 432 VQGNFNDNTHRNVDPPPIYARFIRLPWSWYGRITLSELGCG 476
Db 446 IFFGNWDSHSHKKNLFPETILARYVRILPVAVHNRIALRLLELGC 490

RESULT 8
US-10-485-360-26
; Sequence 26, Application US/10485360
; Publication No. US20040197314A1
; GENERAL INFORMATION:
; APPLICANT: Delcayre, Alain
; TITLE OF INVENTION: Methods and Compounds for the Targeting of Protein to Exosomes
; FILE REFERENCE: B0094W0
; CURRENT APPLICATION NUMBER: US/10/485,360
; CURRENT FILING DATE: 2004-01-30
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
; LENGTH: 480
; TYPE: PRT
; ORGANISM: Artificial Sequence
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Human IL2-human Lactadherin C1/C2 domain chimeric protein
US-10-485-360-26

Query Match 34.5%; Score 922; DB 16; Length 480;
Best Local Similarity 49.3%; Pred. No. 1e-71;
Matches 183; Conservative 55; Mismatches 101; Indels 32; Gaps 6;
Qy 136 DLVAN-----YSCECPG-----EFWGR---NCQ-----YKCSGHLGIEG 166
Db 104 DLISNINVINVLKSGSETTFMCEYADETATVFEFLNRWITFCQSIISTLTCKVEPLGMEN 163
Qy 167 GIISNQOITASSNHRALFGLQKWYPYARLNKGLINAWTAENDRWPIQINLQKRWY 226
Db 164 GNIAINSQIAASSVRVTFGLQHWPELARLNAGVNAWTPSSNDNDNPWQNLRRWV 223
Qy 227 TGVITQGAKRIGSPYIKSYKIAYSNQDKTW-AMVKVKTNEBVMFRGVDNNTPYANSF 285
Db 224 TGVITQGAASRLASHEYLKAFKAVYSLNGHEFDFIHDVNNKHEFV--GNWKNVAVHVNLF 281
Qy 286 TPPIKAQVRLYPQICRRHCTLRWELLGCELSGCEPLGKSGHIQDYQITASSVFTRLN 345
Db 282 ETPVEAQVRLYPTSCHTACTLRPELLGCELSGCEPLGKSGHIQDYQITASSVFTRLN 341
Qy 346 DMFTWEPKARLDKQGNVWTSNHDQSQVLDLVLVPTKVTGIITQGAKRIGSPYIKSY 405
Db 342 LHLFSNPSYARLDKQGNFNAWVAGSYGNDQVLLQVLLGSSKEVTGIITQGAARNFSGVQFV 401
Qy 406 GSYKLAISNDGHEHVMVHDEKQDKVQGNFNDNTHRNVDPPPIYARFIRLPWSWY 465
Db 402 ASYKVAYSNDNSANWTEYQDPRTGSSKIPFGNWDNHSKKNLFPETILARYVRILPVAVHN 461
Qy 466 RITLSELGCG 476
Db 462 RIALRLLELGC 472

RESULT 9
US-10-190-593-2
; Sequence 2, Application US/10190593
; Publication No. US20030022221A1
; GENERAL INFORMATION:
; APPLICANT: LANGIT, Emanuel et al.
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL001246
; CURRENT APPLICATION NUMBER: US/10/190,593
; CURRENT FILING DATE: 2002-07-09
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 343

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; TYPE: PRT
; ORGANISM: Human
US-10-190-593-2

Query Match      34.3%; Score 914.5; DB 14; Length 343;
Best Local Similarity 53.6%; Pred. No. 3.1e-71;
Matches 172; Conservative 52; Mismatches 94; Indels 3; Gaps 2;

QY 157 KCSGHLGIEGIIISNOQITASSNHRALFGLQKWPYYARLNKKGLINAMTAANDRWPI 216
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 25 ECEVPLENGENIANSQIAASSVRVTPFLGQHWVPALARLRAGMNAWTPSSNDNDNPI 84

QY 217 QINLQRMVTVGTQAKRIGSPYIKSYKIAYSNDGKTW-AMYKVKGTNEEMVFRGNV 275
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 85 QVNLLRRMVTGVVGTQASRLASHEYLKAFKAYSLSNGHEFDIHDVNNKKHKEFV--GNW 142

QY 276 DNNTPVANSFTPIPKAQYVRLYPOICRRHCTLRMELLGCELSGCSBPLGKMGSHIOYDI 335
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 143 NKNAVHVNLPETPVEAQYVRLYPTSCHTACTLRFELLCGLNGCANPLGKNNISIPDKQI 202

QY 336 TASSVFTLNMDMFTWEPKRLDKOGKVNAMTSGHNDQSQMLQVLLVPTKVTGIITQG 395
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 203 TASSSYKTWGLHLFSWNPSYARLDKQGNFNAWAGSYGNDQMLQVLLGSSKEVTGIITQG 262

QY 396 AKDFGHVQFVGSYKLAYSNDGEHWMVHDEKQKDKVFGQNFNDTHRKNVIDPPIYARF 455
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 263 ARNFGSVQFVASYKVAYSNDNSANWTEYQDPRTGSSKIFPGNWDNHSKKNLPETILARY 322

QY 456 IRLPMSWYGRITLRSELGCG 476
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 323 VRILPVANHNRIALRLLELLGC 343

RESULT 10
US-10-408-765A-1474
; Sequence 1474, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven M.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1474
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-1474

Query Match      31.3%; Score 836; DB 16; Length 335;
Best Local Similarity 41.4%; Pred. No. 2.1e-64;
Matches 166; Conservative 48; Mismatches 93; Indels 94; Gaps 5;

QY 78 CIPNPNCHNGGTC-EISEAYRGDTFIGYCKPCPGFNGIHCOHNECEABPCRNCGICTD 136
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 27 CSKNPCHNGGLCEISQEVGRGDVFPSTCTCLKGAGNH----- 65

QY 137 LVANYSCECPGPFMGRNCOYKCSGHLGIEGGIISNOQITASSNHRALFGLQKWPYYARL 196
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 66 -----CETKCVPLGMEINGNIANSQIAASSVRVTFGLQHWVPBLARL 108

QY 197 NKKGILINAWTAANDRWPIQINLQRMVTVGTQAKRIGSPYIKSYKIAYSNDGKT 256
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 109 NRAGMVNAWTPSSNDNDNPIQVNLRRMMVTVGTQASRLASHEYLKAFKAYSLSNGHE 168

QY 257 W-AMYKVKGTNEEMVFRGNVDNNTPYANSFTPIPKAQYVRLYPOICRRHCTLRMELLGCE 315
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 169 FDFIHDVNNKKHKEFV--GNWNKNAVHVNLPETPVEAQYVRLYPTSCHTACTLRFELLGCE 226

QY 316 LSCSSEPLGKMGSHIOYDIOTASSVFTLNMDMFTWEPKRLDKOGKVNAMTSGHNDQ 375
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 227 LNCANPLGLKNNISIPDKQITASSSYKTWGLHLFSWNPSYARLDKQGNFNAWAGSYGND 286

QY 376 QMLQVLLVPTKVTGIITQGAQDFGHVQFVGSYKLAYSNDGEHWMVHDEKQKDKVFGQ 435
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 287 QMLQ-----IFPG 294

QY 436 NFNDNTHRKNVIDPPIYARFIRLPMSWYGRITLRSELGCG 476
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 295 NWDNHSKKNLPETPILARYVRILPVANHNRIALRLLELLGC 335

RESULT 12
US-10-360-101-259
; Sequence 259, Application US/10360101
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QY 257 W-AMYKVKGTNEEMVFRGNVDNNTPYANSFTPIPKAQYVRLYPOICRRHCTLRMELLGCE 315
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 169 FDFIHDVNNKKHKEFV--GNWNKNAVHVNLPETPVEAQYVRLYPTSCHTACTLRFELLGCE 226

QY 316 LSCSSEPLGKMGSHIOYDIOTASSVFTLNMDMFTWEPKRLDKOGKVNAMTSGHNDQ 375
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 227 LNCANPLGLKNNISIPDKQITASSSYKTWGLHLFSWNPSYARLDKQGNFNAWAGSYGND 286

QY 376 QMLQVLLVPTKVTGIITQGAQDFGHVQFVGSYKLAYSNDGEHWMVHDEKQKDKVFGQ 435
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 287 QMLQ-----IFPG 294

QY 436 NFNDNTHRKNVIDPPIYARFIRLPMSWYGRITLRSELGCG 476
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 295 NWDNHSKKNLPETPILARYVRILPVANHNRIALRLLELLGC 335

RESULT 11
US-10-485-360-8
; Sequence 8, Application US/10485360
; Publication No. US20040197314A1
; GENERAL INFORMATION:
; APPLICANT: Delcayre, Alain
; APPLICANT: Le Pecq, Jean-Bernard
; TITLE OF INVENTION: Methods and Compounds for the Targeting of Protein to Exosomes
; FILE REFERENCE: B0094W0
; CURRENT APPLICATION NUMBER: US/10/485,360
; CURRENT FILING DATE: 2004-01-30
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-485-360-8

Query Match      31.3%; Score 836; DB 16; Length 343;
Best Local Similarity 41.4%; Pred. No. 2.2e-64;
Matches 166; Conservative 48; Mismatches 93; Indels 94; Gaps 5;

QY 78 CIPNPNCHNGGTC-EISEAYRGDTFIGYCKPCPGFNGIHCOHNECEABPCRNCGICTD 136
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 27 CSKNPCHNGGLCEISQEVGRGDVFPSTCTCLKGAGNH----- 65

QY 137 LVANYSCECPGPFMGRNCOYKCSGHLGIEGGIISNOQITASSNHRALFGLQKWPYYARL 196
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 66 -----CETKCVPLGMEINGNIANSQIAASSVRVTFGLQHWVPBLARL 108

QY 197 NKKGILINAWTAANDRWPIQINLQRMVTVGTQAKRIGSPYIKSYKIAYSNDGKT 256
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 109 NRAGMVNAWTPSSNDNDNPIQVNLRRMMVTVGTQASRLASHEYLKAFKAYSLSNGHE 168

QY 257 W-AMYKVKGTNEEMVFRGNVDNNTPYANSFTPIPKAQYVRLYPOICRRHCTLRMELLGCE 315
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 169 FDFIHDVNNKKHKEFV--GNWNKNAVHVNLPETPVEAQYVRLYPTSCHTACTLRFELLGCE 226

QY 316 LSCSSEPLGKMGSHIOYDIOTASSVFTLNMDMFTWEPKRLDKOGKVNAMTSGHNDQ 375
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 227 LNCANPLGLKNNISIPDKQITASSSYKTWGLHLFSWNPSYARLDKQGNFNAWAGSYGND 286

QY 376 QMLQVLLVPTKVTGIITQGAQDFGHVQFVGSYKLAYSNDGEHWMVHDEKQKDKVFGQ 435
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 287 QMLQ-----IFPG 294

QY 436 NFNDNTHRKNVIDPPIYARFIRLPMSWYGRITLRSELGCG 476
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 295 NWDNHSKKNLPETPILARYVRILPVANHNRIALRLLELLGC 335
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Publication No. US20040009550A1
GENERAL INFORMATION:
APPLICANT: Moll, Gert N.
TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
FILE REFERENCE: 2183-5673
CURRENT APPLICATION NUMBER: US/10/360,101
CURRENT FILING DATE: 2003-02-07
PRIOR APPLICATION NUMBER: EP 02077060.8
PRIOR FILING DATE: 2002-05-24
NUMBER OF SEQ ID NOS: 309
SOFTWARE: PatentIn version 3.1
SEQ ID NO 259
LENGTH: 2196
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: sequence of prothrombin
US-10-360-101-259

Query Match 25.8%; Score 689; DB 15; Length 2196;
Best Local Similarity 42.7%; Pred. No. 1.6e-50;
Matches 144; Conservative 55; Mismatches 122; Indels 16; Gaps 4;

QY 144 ECPGEFMRNCQYKCSGHLGEGGIISNQOITASSNHRALFGLQKWYPYVARLNKKGLIN 203
Db 1869 QTFPLIMDRDCRMP-----MGLSTGIISDSQIKASE-----FLGYWEPLARLNNGGSYN 1918
QY 204 AWT-----AAENDRWPIQINLQRMVTVGITQGAKRIGSPYIKSYKIAYSDNGKTWAM 259
Db 1919 AWSVEKLAFAFPKWIQVDMQKEVIITGIOTQGAHYLKSCYTFEFYVAYSSNQINWQI 1978
QY 260 YKVGKTNEMVFGVNDNTPYANSTPPIKAQYVLYPQICRRHCTLRMELGCELSGC 319
Db 1979 FKGNSRNVVMYFNGNSDASTIKENQDPPIVARIYIRISPTRAYNRPTLRLELQGCCEVNGC 2038
QY 320 SEPLGKMSGHIQDYQITASSVFTLNMDMFTWEPKRLDKQGVNAWTSQHNDQSQWLQ 379
Db 2039 STPLGMEKGKIEKQITASSFKSWSGDY--WEPPFARLNAQGRVNAQAKANNKQWLE 2096
QY 380 VDLLVPTKVTGIIITQGAQDFGHVQFVGSYKLAYSNDGHEHMMVHQBKQKDKVQFQGNFDN 439
Db 2097 IDLLKIKKITAIIITQCKSLSESMYKSYTIHYSEQGVEMKPYRLKSSMVDKIFEGTNT 2156
QY 440 DTHRKXVIDPPIYARFIRILPMSWYGRITLSELGCG 476
Db 2157 KGHVKNFNPPIISRPIRVIPKTNQSIITLRLELFGC 2193

RESULT 13
US-10-115-563-14
Sequence 14, Application US/10115563
Publication No. US20030008307A1
GENERAL INFORMATION:
APPLICANT: Griffin, John H.
TITLE OF INVENTION: METHODS FOR DIAGNOSING ACTIVATED PROTEIN
C RESISTANCE ASSOCIATED WITH A FACTOR V GENETIC MUTATION
AND COMPOSITIONS THEREOF
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: The Scripps Research Institute, Office of
Patent Counsel
STREET: 10666 No. US20030008307A1h Torrey Pines Road, TPC 8
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/115,563
FILING DATE: 02-Apr-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/410,488
FILING DATE: 24-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Fitting, Thomas
REGISTRATION NUMBER: 34,163
REFERENCE/DOCKET NUMBER: 449.0
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-554-2937
TELEFAX: 619-554-6312
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 2224 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-10-115-563-14

Query Match 25.8%; Score 689; DB 14; Length 2224;
Best Local Similarity 42.7%; Pred. No. 1.6e-50;
Matches 144; Conservative 55; Mismatches 122; Indels 16; Gaps 4;

QY 144 ECPGEFMRNCQYKCSGHLGEGGIISNQOITASSNHRALFGLQKWYPYVARLNKKGLIN 203
Db 1897 QTFPLIMDRDCRMP-----MGLSTGIISDSQIKASE-----FLGYWEPLARLNNGGSYN 1946
QY 204 AWT-----AAENDRWPIQINLQRMVTVGITQGAKRIGSPYIKSYKIAYSDNGKTWAM 259
Db 1947 AWSVEKLAFAFPKWIQVDMQKEVIITGIOTQGAHYLKSCYTFEFYVAYSSNQINWQI 2006
QY 260 YKVGKTNEMVFGVNDNTPYANSTPPIKAQYVLYPQICRRHCTLRMELGCELSGC 319
Db 2007 FKGNSRNVVMYFNGNSDASTIKENQDPPIVARIYIRISPTRAYNRPTLRLELQGCCEVNGC 2066
QY 320 SEPLGKMSGHIQDYQITASSVFTLNMDMFTWEPKRLDKQGVNAWTSQHNDQSQWLQ 379
Db 2067 STPLGMEKGKIEKQITASSFKSWSGDY--WEPPFARLNAQGRVNAQAKANNKQWLE 2124
QY 380 VDLLVPTKVTGIIITQGAQDFGHVQFVGSYKLAYSNDGHEHMMVHQBKQKDKVQFQGNFDN 439
Db 2125 IDLLKIKKITAIIITQCKSLSESMYKSYTIHYSEQGVEMKPYRLKSSMVDKIFEGTNT 2184
QY 440 DTHRKXVIDPPIYARFIRILPMSWYGRITLSELGCG 476
Db 2185 KGHVKNFNPPIISRPIRVIPKTNQSIITLRLELFGC 2221

RESULT 14
US-10-172-712-31
Sequence 31, Application US/10172712
Publication No. US20030125232A1
GENERAL INFORMATION:
APPLICANT: Griffin, John H.
APPLICANT: GALE, ANDREW J.
APPLICANT: GETZOFF, ELIZABETH D.
APPLICANT: FELLEQUER, JEAN-LOUC
TITLE OF INVENTION: STABILIZED PROTEINS WITH ENGINEERED DISULFIDE BONDS
FILE REFERENCE: 4198-4001US1
CURRENT APPLICATION NUMBER: US/10/172,712
CURRENT FILING DATE: 2002-09-30
PRIOR APPLICATION NUMBER: 60/298,578
PRIOR FILING DATE: 2001-06-14
NUMBER OF SEQ ID NOS: 32
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 31
LENGTH: 2224
TYPE: PRT
ORGANISM: Homo sapiens

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 26, 2005, 07:56:55 ; Search time 12.3829 Seconds
(without alignments)
1332.278 Million cell updates/sec

Title: US-09-237-981E-29
Perfect score: 1263
Sequence: 1 MKHLVAALLVGLSLGVPOF.....INAWTAENDRPFWQIVTVG 221

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA.*
1: /cgn2_6/ptodata/1/iaa/5A COMB.pep.*
2: /cgn2_6/ptodata/1/iaa/5B COMB.pep.*
3: /cgn2_6/ptodata/1/iaa/6A COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/6B COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/PCTUS COMB.pep.*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|--------|-------------|--------|----|---------------------|
| 1 | 1257 | 99.5 | 221 | 2 | US-08-480-229C-29 |
| 2 | 1257 | 99.5 | 221 | 2 | US-08-480-229C-29 |
| 3 | 1248 | 98.8 | 480 | 2 | US-08-480-229C-10 |
| 4 | 1248 | 98.8 | 480 | 2 | US-08-480-229C-10 |
| 5 | 1139.5 | 90.2 | 513 | 2 | US-08-480-229C-14 |
| 6 | 1139.5 | 90.2 | 513 | 2 | US-08-480-229C-14 |
| 7 | 1011 | 80.0 | 448 | 4 | US-09-949-016-10130 |
| 8 | 396 | 31.4 | 463 | 2 | US-08-162-402B-9 |
| 9 | 394.5 | 31.2 | 465 | 2 | US-08-162-402B-8 |
| 10 | 324.5 | 25.7 | 2523 | 1 | US-08-185-432-18 |
| 11 | 324.5 | 25.7 | 2523 | 4 | US-08-899-232-3 |
| 12 | 324.5 | 25.7 | 2523 | 4 | US-09-121-457-3 |
| 13 | 318 | 25.2 | 2471 | 1 | US-08-185-432-16 |
| 14 | 318 | 25.2 | 2471 | 1 | US-08-083-590A-19 |
| 15 | 318 | 25.2 | 2471 | 3 | US-08-532-384-19 |
| 16 | 318 | 25.2 | 2471 | 4 | US-08-899-232-1 |
| 17 | 318 | 25.2 | 2471 | 4 | US-09-121-457-1 |
| 18 | 317.5 | 25.1 | 721 | 3 | US-08-872-855-7 |
| 19 | 317.5 | 25.1 | 721 | 3 | US-08-981-392-5 |
| 20 | 317.5 | 25.1 | 721 | 4 | US-09-908-322-5 |
| 21 | 312.5 | 24.7 | 728 | 3 | US-08-981-392-2 |
| 22 | 312.5 | 24.7 | 728 | 4 | US-09-908-322-2 |
| 23 | 312 | 24.2 | 729 | 3 | US-08-872-855-8 |
| 24 | 305.5 | 24.2 | 717 | 3 | US-08-872-855-9 |
| 25 | 304.5 | 24.1 | 321 | 2 | US-08-480-229C-21 |
| 26 | 304.5 | 24.1 | 321 | 2 | US-08-659-235C-21 |
| 27 | 304 | 24.1 | 702 | 3 | US-09-068-740A-4 |

| | | | | | |
|----|-------|------|------|---|-------------------|
| 28 | 304 | 24.1 | 723 | 3 | US-09-068-740A-9 |
| 29 | 304 | 24.1 | 723 | 4 | US-09-423-753-27 |
| 30 | 303.5 | 24.0 | 713 | 3 | US-08-872-855-5 |
| 31 | 302.5 | 24.0 | 2703 | 1 | US-08-185-432-19 |
| 32 | 302.5 | 24.0 | 2703 | 4 | US-08-899-232-4 |
| 33 | 302.5 | 24.0 | 2703 | 4 | US-09-121-457-4 |
| 34 | 297 | 23.5 | 520 | 3 | US-09-068-740A-3 |
| 35 | 297 | 23.5 | 723 | 4 | US-09-641-612-6 |
| 36 | 295.5 | 23.4 | 1404 | 2 | US-08-400-159-2 |
| 37 | 295.5 | 23.4 | 1404 | 3 | US-08-611-729A-2 |
| 38 | 295.5 | 23.4 | 1404 | 4 | US-09-195-524-2 |
| 39 | 292.5 | 23.2 | 2556 | 1 | US-08-083-590A-20 |
| 40 | 292.5 | 23.2 | 2556 | 3 | US-08-532-384-20 |
| 41 | 291.5 | 23.1 | 720 | 3 | US-08-872-855-4 |
| 42 | 291.5 | 23.1 | 722 | 3 | US-08-981-392-12 |
| 43 | 291.5 | 23.1 | 722 | 4 | US-09-908-322-12 |
| 44 | 291 | 23.0 | 1010 | 3 | US-08-882-046-7 |
| 45 | 291 | 23.0 | 1010 | 4 | US-09-566-047-7 |

ALIGNMENTS

RESULT 1
US-08-480-229C-29
; Sequence 29, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quertermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,229C
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0026-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 221 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
US-08-480-229C-29

Query Match 99.5%; Score 1257; DB 2; Length 221;
Best Local Similarity 99.5%; Pred. NO. 1.2e-102;
Matches 220; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MKHLVAAMLLVGLSLGVLPQFGKGDICNPNPCENGICLSGLADDSFSCCEPFGAGPNC 60
Db 1 MKHLVAAMLLVGLSLGVLPQFGKGDICNPNPCENGICLSGLADDSFSCCEPFGAGPNC 60
QY 61 SVVEVASDEEKTSAAGPCIPNCHNGGTCEISEAYRGDTFYGVCCKPRGNGIHCQHN 120
Db 61 SVVEVASDEEKTSAAGPCIPNCHNGGTCEISEAYRGDTFYGVCCKPRGNGIHCQHN 120
QY 121 NECEAPCRNGGICTDLVANYSCCEPFGMGRNCQKCSGHLGIEGGIISNQOITASSNH 180
Db 121 NECEAPCRNGGICTDLVANYSCCEPFGMGRNCQKCSGHLGIEGGIISNQOITASSNH 180
QY 181 RALFGLQKWYPYARLNKKGLINAWTAANDRWPMIQTUVG 221
Db 181 RALFGLQKWYPYARLNKKGLINAWTAANDRWPMIQTUVG 221

RESULT 2
US-08-659-235C-29
; Sequence 29, Application US/08659235C
; Patent No. 5877281
; GENERAL INFORMATION:
; APPLICANT: Quettermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/659,235C
; FILING DATE: 05-JUN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0034-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 221 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
US-08-659-235C-29

Query Match 99.5%; Score 1257; DB 2; Length 221;
Best Local Similarity 99.5%; Pred. No. 1.2e-102; Indels 0; Gaps 0;
Matches 220; Conservative 0; Mismatches 1;
QY 1 MKHLVAAMLLVGLSLGVLPQFGKGDICNPNPCENGICLSGLADDSFSCCEPFGAGPNC 60
Db 1 MKHLVAAMLLVGLSLGVLPQFGKGDICNPNPCENGICLSGLADDSFSCCEPFGAGPNC 60
QY 61 SVVEVASDEEKTSAAGPCIPNCHNGGTCEISEAYRGDTFYGVCCKPRGNGIHCQHN 120

Db 61 SVVEVASDEEKTSAAGPCIPNCHNGGTCEISEAYRGDTFYGVCCKPRGNGIHCQHN 120
QY 121 NECEAPCRNGGICTDLVANYSCCEPFGMGRNCQKCSGHLGIEGGIISNQOITASSNH 180
Db 121 NECEAPCRNGGICTDLVANYSCCEPFGMGRNCQKCSGHLGIEGGIISNQOITASSNH 180
QY 181 RALFGLQKWYPYARLNKKGLINAWTAANDRWPMIQTUVG 221
Db 181 RALFGLQKWYPYARLNKKGLINAWTAANDRWPMIQTUVG 221

RESULT 3
US-08-480-229C-10
; Sequence 10, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quettermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,229C
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0026-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-480-229C-10

Query Match 98.8%; Score 1248; DB 2; Length 480;
Best Local Similarity 98.6%; Pred. No. 1.7e-101; Indels 0; Gaps 0;
Matches 217; Conservative 2; Mismatches 1;
QY 1 MKHLVAAMLLVGLSLGVLPQFGKGDICNPNPCENGICLSGLADDSFSCCEPFGAGPNC 60
Db 1 MKHLVAAMLLVGLSLGVLPQFGKGDICNPNPCENGICLSGLADDSFSCCEPFGAGPNC 60
QY 61 SVVEVASDEEKTSAAGPCIPNCHNGGTCEISEAYRGDTFYGVCCKPRGNGIHCQHN 120
Db 61 SVVEVASDEEKTSAAGPCIPNCHNGGTCEISEAYRGDTFYGVCCKPRGNGIHCQHN 120
QY 121 NECEAPCRNGGICTDLVANYSCCEPFGMGRNCQKCSGHLGIEGGIISNQOITASSNH 180
Db 121 NECEAPCRNGGICTDLVANYSCCEPFGMGRNCQKCSGHLGIEGGIISNQOITASSNH 180
QY 181 RALFGLQKWYPYARLNKKGLINAWTAANDRWPMIQTUV 220

Db 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRWPIQINL 220

RESULT 4
US-08-659-235C-10
; Sequence 10, Application US/08659235C
; Patent No. 5877281
; GENERAL INFORMATION:
; APPLICANT: Quattermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/659,235C
; FILING DATE: 05-JUN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0034-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEX: 66141 Pennie
; TELEFAX: (212) 869-8864/9741
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-659-235C-10

Query Match 98.8%; Score 1248; DB 2; Length 480;
Best Local Similarity 98.6%; Pred. No. 1.7e-101;
Matches 217; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MKHLVAALLVGLSLGVPQFGKGDICNPNPCENGIGICLSGLADDSFSCPCPGFAGPNC 60
Db 1 MKHLVAALLVGLSLGVPQFGKGDICNPNPCENGIGICLSGLADDSFSCPCPGFAGPNC 60
Qy 61 SVVEVASDEEKPTSGAPCIPNPNCHNGGTCEISEAYRGDTFYGVCCKPRGFNGIHCOHNI 120
Db 61 SVVEVASDEEKPTSGAPCIPNPNCHNGGTCEISEAYRGDTFYGVCCKPRGFNGIHCOHNI 120
Qy 121 NECEAPPCNGGICTDLVANYSCPCGPFMGRCQYKCSGHLGIEGGIISNOQITASSNH 180
Db 121 NECEAPPCNGGICTDLVANYSCPCGPFMGRCQYKCSGHLGIEGGIISNOQITASSNH 180
Qy 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRWPIQVTV 220
Db 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRWPIQINL 220

RESULT 5
US-08-480-229C-14
; Sequence 14, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:

; APPLICANT: Quattermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,229C
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0026-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 513 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-480-229C-14

Query Match 90.2%; Score 1139.5; DB 2; Length 513;
Best Local Similarity 90.5%; Pred. No. 5.9e-92;
Matches 200; Conservative 6; Mismatches 14; Indels 1; Gaps 1;

Qy 1 MKHLVAALLVGLSLGVPQFGKGDICNPNPCENGIGICLSGLADDSFSCPCPGFAGPNC 60
Db 33 MKRSVAVALLVGLSLGVPQFGKGDICDNPCENGIGICLPGLAVGFSCECPDGTDPNC 92
Qy 61 SVVEVASDEEKPTSGAPCIPNPNCHNGGTCEISEAYRGDTFYGVCCKPRGFNGIHCOHNI 120
Db 93 SVVEVASDEEKPTSGAPCTPNPNCHNGGTCEISEAYRGDTFYGVCCKPRGFNGIHCOHNI 152
Qy 121 NECEAPPCNGGICTDLVANYSCPCGPFMGRCQYKCSGHLGIEGGIISNOQITASSNH 180
Db 153 NECEVPCPKNGGICTDLVANYSCPCGPFMGRCQYKCSGHLGIEGGIISNOQITASSNH 212
Qy 181 RALFGLQKWYPYARLNKKGLINAWTAAENDRWPIQVTV 220
Db 213 RALFGLQKWYPYARLNKKGLINAWTAAENDRWKRWIQL 253

RESULT 6
US-08-659-235C-14
; Sequence 14, Application US/08659235C
; Patent No. 5877281
; GENERAL INFORMATION:
; APPLICANT: Quattermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29

; CORRESPONDENCE ADDRESS:
; ADDRESSES: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/659,235C
; FILING DATE: 05-JUN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0034-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TEXT: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 513 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-659-235C-14

Query Match 90.2%; Score 1139.5; DB 2; Length 513;
Best Local Similarity 90.5%; Pred. No. 5.9e-92;
Matches 200; Conservative 6; Mismatches 14; Indels 1; Gaps 1;

Qy 1 MKHLVAWLVLSLGVLPQFGKGDICNPNCENGIGICLSGLADDSFSCPCGEGAGPNC 60
Db 33 MKRSVAVLVLSLGVLPQFGKGDICNPNCENGIGICLSGLADDSFSCPCGEGAGPNC 92

Qy 61 SVVEVASDEEPTSGAGCINPCHNGGTCEISAYRGDTFYGVCCKPRGFNGIHQHN 120
Db 93 SVVEVASDEEPTSGAGCINPCHNGGTCEISAYRGDTFYGVCCKPRGFNGIHQHN 152

Qy 121 NECEAEPCRNIGICTDLVANYSCPCGFMGRNCQYKCSHGLGIEGIIISNOQITASSNH 180
Db 153 NECEVEPCNIGICTDLVANYSCPCGFMGRNCQYKCSHGLGIEGIIISNOQITASSNH 212

Qy 181 RALFGLQKWPYYARLNKKGILINATWAAENDRWV-WIQVTV 220
Db 213 RALFGLQKWPYYARLNKKGILINATWAAENDRWKRWIQL 253

RESULT 7
US-09-949-016-10130
; Sequence 10130, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ-ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0

; SEQ ID NO 10130
; LENGTH: 448
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-10130

Query Match 80.0%; Score 1011; DB 4; Length 448;
Best Local Similarity 87.9%; Pred. No. 9.3e-81;
Matches 174; Conservative 5; Mismatches 9; Indels 10; Gaps 1;

Qy 23 GDICNPNCENGIGICLSGLADDSFSCPCGEGAGPNCSSVVEVASDEEKEPTSGPCINP 82
Db 1 GDICNPNCENGIGICLSGLADDSFSCPCGEGAGPNCSSVVEVASDEEKEPTSGPCINP 50

Qy 83 CHNGGTCEISEAYRGDTFYGVCCKPRGFNGIHQHNINECEAEPCRNIGICTDLVANY 142
Db 51 CHNGGTCEISEAYRGDTFYGVCCKPRGFNGIHQHNINECEAEPCRNIGICTDLVANY 110

Qy 143 CECGFMGRNCQYKCSHGLGIEGIIISNOQITASSNHRLFGLOKWPYYARLNKGLI 202
Db 111 CECGFMGRNCQYKCSHGLGIEGIIISNOQITASSNHRLFGLOKWPYYARLNKGLI 170

Qy 203 NAWTAAENDRWPIQVTV 220
Db 171 NAWTAAENDRWPIQVTV 188

RESULT 8
US-08-162-402B-9
; Sequence 9, Application US/08162402B
; Patent No. 5972337
; GENERAL INFORMATION:
; APPLICANT: CERIANI, ROBERTO L.
; APPLICANT: PETERSON, JERRY A.
; APPLICANT: LAROCCA, DAVID J.
; TITLE OF INVENTION: 46 KALTON HUMAN MILK FAT
; TITLE OF INVENTION: GLOBULE (HMF) ANTIGEN, FRAGMENTS & FUSION PROTEIN
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pretty, Schroeder & Poplawski
; STREET: 444 South Flower St., 19th Floor
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/162,402B
; FILING DATE: 03-DEC-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Amzel, Viviana
; REGISTRATION NUMBER: 30,930
; REFERENCE/DOCKET NUMBER: P66 38215
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 213-622-7700
; TELEFAX: 213-489-4210
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 463 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-162-402B-9

Wed Mar 30 17:27:07 2005

Best Local Similarity 32.3%; Pred. No. 9.3e-20;
Matches 64; Conservative 14; Mismatches 49; Indels 71; Gaps 6;
QY 24 DICNPNCENGICLSGLADDSFSCPCPGAGPNCSSVVEVASDEEKTSPAGCIPNCP 83
Db 908 DDCQPNFCHNGSCSDGI--NMFFCNCAGFRGPKCEEDI-----NECASNPC 953
QY 84 HNGGT-----YKC---SGLGI 164
Db 954 KNGANTDCVNSYCTCQPGFSGIHCSNTPDCTESSCFNGGTCIDGINTFTCCQCPGFT 1013
QY 113 GIHQHINNECEABPCRNNGICTDLVANSYCECPGFMGRNCQ----- 155
Db 1014 GSYQHDINECDKPLNGGTQDSYGYTKCTCPQGYTGLNCQNLVRWCDSSPKNGGKC 1073
QY 156 -----YKC---SGLGI 164
Db 1074 WQTNFYRCECKSGWTGV 1091
RESULT 13
US-08-185-432-16
; Sequence 16, Application US/08185432
; Patent No. 5750852
; GENERAL INFORMATION:
; APPLICANT: Artavanis-Tsakonas, Spyridon
; APPLICANT: Busseau, Isabelle
; APPLICANT: Diederich, Robert J.
; APPLICANT: Xu, Tian
; APPLICANT: Matsuno, Kenji
; TITLE OF INVENTION: DELTEX PROTEINS, NUCLEIC ACIDS, AND
; TITLE OF INVENTION: ANTIBODIES, AND RELATED METHODS AND COMPOSITIONS
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESS: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/185,432
; FILING DATE: 21-JAN-1994
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,972
; REFERENCE/DOCKET NUMBER: 7326-006
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2471 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-185-432-16
Query Match 25.2%; Score 318; DB 1; Length 2471;
Best Local Similarity 41.1%; Pred. No. 3.4e-19;
Matches 58; Conservative 15; Mismatches 44; Indels 24; Gaps 4;
QY 24 DICNPNCENGICLSGLADDSFSCPCPGAGPNCSSVVEVASDEEKTSPAGCIPNCP 83
Db 913 DDLANPCQNGSGMDGV--NTFSCULFLGFTGDKCQ-----TDMNECLSEPC 958

113 GIHQHINNECEABPCRNNGICTDLVANSYCECPGFMGRNCQ----- 155
Db 1014 GSYQHDINECDKPLNGGTQDSYGYTKCTCPQGYTGLNCQNLVRWCDSSPKNGGKC 1073
QY 156 -----YKC---SGLGI 164
Db 1074 WQTNFYRCECKSGWTGV 1091
RESULT 11
US-08-899-232-3
; Sequence 3, Application US/08899232
; Patent No. 6436650
; GENERAL INFORMATION:
; APPLICANT: Artavanis-Tsakonas, Spyridon
; APPLICANT: Qi, Huilin
; TITLE OF INVENTION: ACTIVATED FORMS OF NOTCH AND METHODS BASED THEREON
; FILE REFERENCE: 7326-046
; CURRENT APPLICATION NUMBER: US/08/899,232
; CURRENT FILING DATE: 1997-07-23
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 3
; LENGTH: 2523
; TYPE: PRT
; ORGANISM: Xenopus sp.
US-08-899-232-3
Query Match 25.7%; Score 324.5; DB 4; Length 2523;
Best Local Similarity 32.3%; Pred. No. 9.3e-20;
Matches 64; Conservative 14; Mismatches 49; Indels 71; Gaps 6;
QY 24 DICNPNCENGICLSGLADDSFSCPCPGAGPNCSSVVEVASDEEKTSPAGCIPNCP 83
Db 908 DDCQPNFCHNGSCSDGI--NMFFCNCAGFRGPKCEEDI-----NECASNPC 953
QY 84 HNGGT-----YKC---SGLGI 164
Db 954 KNGANTDCVNSYCTCQPGFSGIHCSNTPDCTESSCFNGGTCIDGINTFTCCQCPGFT 1013
QY 113 GIHQHINNECEABPCRNNGICTDLVANSYCECPGFMGRNCQ----- 155
Db 1014 GSYQHDINECDKPLNGGTQDSYGYTKCTCPQGYTGLNCQNLVRWCDSSPKNGGKC 1073
QY 156 -----YKC---SGLGI 164
Db 1074 WQTNFYRCECKSGWTGV 1091
RESULT 12
US-09-121-457-3
; Sequence 3, Application US/09121457
; Patent No. 6692919
; GENERAL INFORMATION:
; APPLICANT: Artavanis-Tsakonas, S.
; APPLICANT: Qi, H.
; APPLICANT: Rand, M.
; TITLE OF INVENTION: ACTIVATED FORMS OF NOTCH AND METHODS BASED THEREON
; FILE REFERENCE: 7326-073
; CURRENT APPLICATION NUMBER: US/09/121,457
; CURRENT FILING DATE: 1998-07-23
; EARLIER APPLICATION NUMBER: 08/899,232
; EARLIER FILING DATE: 1997-07-23
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 3
; LENGTH: 2523
; TYPE: PRT
; ORGANISM: Xenopus sp.
US-09-121-457-3
Query Match 25.7%; Score 324.5; DB 4; Length 2523;

QY 84 HNGGTCEISAYRGDTFIGYVCKPRGFGNGIHQHNINECEAPCRNGGICTDLVANYSC 143
Db 959 KNGGTC-----SDYVNSYTKCQAGFDGVHCENINECTESSCFNGGTCVDGINSFSC 1011
QY 144 ECPGEFMGRNCQY---KCSGH 161
Db 1012 LCPVGFTGSFCLHEINECSSH 1032

RESULT 14

US-08-083-590A-19
; Sequence 19, Application US/08083590A
; Patent No. 5786158
; GENERAL INFORMATION:
; APPLICANT: Artavanis-Tsakonas, S. et al.
; TITLE OF INVENTION: Therapeutic And Diagnostic Methods
; TITLE OF INVENTION: And Compositions Based On No. 5786158ch Proteins And
; TITLE OF INVENTION: Nucleic Acids
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/083,590A
; FILING DATE: 25-JUN-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 7326-015
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212 790-9090
; TELEFAX: 212 8698864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2471 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-083-590A-19

Query Match 25.2%; Score 318; DB 1; Length 2471;

Best Local Similarity 41.1%; Pred. No. 3.4e-19;

Matches 58; Conservative 15; Mismatches 44; Indels 24; Gaps 4;

QY 24 DICNPNPCENGIGICLSGLADDSFSCPCPGFAGPNCSSVVEVASDEEKPTSGPCIPNPC 83

Db 913 DDCLANPCQNGGSCMDGV--NTFSCICLPFGTGDCKQ-----TDMNECLSEPC 958

QY 84 HNGGTCEISAYRGDTFIGYVCKPRGFGNGIHQHNINECEAPCRNGGICTDLVANYSC 143

Db 959 KNGGTC-----SDYVNSYTKCQAGFDGVHCENINECTESSCFNGGTCVDGINSFSC 1011

QY 144 ECPGEFMGRNCQY---KCSGH 161

Db 1012 LCPVGFTGSFCLHEINECSSH 1032

RESULT 15

US-08-532-384-19

; Sequence 19, Application US/08532384

; Patent No. 6083904

; GENERAL INFORMATION:

; APPLICANT: Artavanis-Tsakonas, S. et al.
; TITLE OF INVENTION: Therapeutic And Diagnostic Methods
; TITLE OF INVENTION: And Compositions Based On No. 6083904ch Proteins And
; TITLE OF INVENTION: Nucleic Acids
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/532,384
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/083,590
; FILING DATE: 25-JUN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 7326-015
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212 790-9090
; TELEFAX: 212 8698864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2471 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-532-384-19

Query Match

Best Local Similarity 25.2%; Score 318; DB 3; Length 2471;

Matches 58; Conservative 15; Mismatches 44; Indels 24; Gaps 4;

QY 24 DICNPNPCENGIGICLSGLADDSFSCPCPGFAGPNCSSVVEVASDEEKPTSGPCIPNPC 83

Db 913 DDCLANPCQNGGSCMDGV--NTFSCICLPFGTGDCKQ-----TDMNECLSEPC 958

QY 84 HNGGTCEISAYRGDTFIGYVCKPRGFGNGIHQHNINECEAPCRNGGICTDLVANYSC 143

Db 959 KNGGTC-----SDYVNSYTKCQAGFDGVHCENINECTESSCFNGGTCVDGINSFSC 1011

QY 144 ECPGEFMGRNCQY---KCSGH 161

Db 1012 LCPVGFTGSFCLHEINECSSH 1032

Search completed: March 26, 2005, 08:07:54

Job time : 13.3829 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 26, 2005, 08:04:50 ; Search time 29.2374 Seconds
(without alignments)
2502.733 Million cell updates/sec

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Perfect score: 1263
Sequence: 1 MKHLVAMLLVGLSLGVPOF.....INAWTAENDRWPIQVTWG 221

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1407402 seqs, 331100923 residues

Total number of hits satisfying chosen parameters: 1407402

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.*
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11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Match | Length | ID | Description |
|------------|-------|-------|--------|----|-------------------|
| 1 | 1167 | 92.4 | 480 | 14 | US-10-177-293-122 |
| 2 | 374.5 | 29.7 | 434 | 16 | US-10-485-360-10 |
| 3 | 324.5 | 25.7 | 2524 | 15 | US-10-190-115-25 |
| 4 | 324.5 | 25.7 | 2524 | 15 | US-10-369-072-25 |
| 5 | 318.5 | 25.2 | 1054 | 14 | US-10-173-461-5 |
| 6 | 318 | 25.2 | 1473 | 15 | US-10-190-115-4 |
| 7 | 318 | 25.2 | 1473 | 15 | US-10-369-072-4 |
| 8 | 318 | 25.2 | 2203 | 16 | US-10-322-881-726 |
| 9 | 318 | 25.2 | 2471 | 17 | US-10-765-727-23 |
| 10 | 318 | 25.2 | 2471 | 17 | US-10-846-989-57 |
| 11 | 318 | 25.2 | 2471 | 17 | US-10-764-415B-40 |
| 12 | 317.5 | 25.1 | 721 | 9 | US-09-908-322-5 |
| 13 | 317.5 | 25.1 | 721 | 10 | US-09-783-931-5 |

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|----|-------|------|------|----|-------------------|-------------------|
| 14 | 317.5 | 25.1 | 721 | 14 | US-10-417-719-7 | Sequence 7, Appli |
| 15 | 317.5 | 25.1 | 721 | 15 | US-10-042-865-109 | Sequence 109, App |
| 16 | 316 | 25.0 | 572 | 10 | US-09-900-449A-7 | Sequence 7, Appli |
| 17 | 314 | 24.9 | 2469 | 15 | US-10-190-115-2 | Sequence 2, Appli |
| 18 | 314 | 24.9 | 2469 | 15 | US-10-369-072-2 | Sequence 2, Appli |
| 19 | 312.5 | 24.7 | 728 | 9 | US-09-908-322-2 | Sequence 2, Appli |
| 20 | 312.5 | 24.7 | 728 | 10 | US-09-783-931-2 | Sequence 2, Appli |
| 21 | 312.5 | 24.7 | 2531 | 15 | US-10-190-115-29 | Sequence 29, Appl |
| 22 | 312.5 | 24.7 | 2531 | 15 | US-10-369-072-29 | Sequence 29, Appl |
| 23 | 312.5 | 24.7 | 2531 | 15 | US-10-072-012-470 | Sequence 470, App |
| 24 | 312.5 | 24.7 | 2531 | 15 | US-10-072-012-471 | Sequence 471, App |
| 25 | 312 | 24.7 | 729 | 14 | US-10-417-719-8 | Sequence 8, Appli |
| 26 | 311 | 24.6 | 2447 | 15 | US-10-190-115-8 | Sequence 28, Appl |
| 27 | 311 | 24.6 | 2447 | 15 | US-10-369-072-28 | Sequence 28, Appl |
| 28 | 305.5 | 24.2 | 714 | 15 | US-10-042-865-108 | Sequence 108, App |
| 29 | 305.5 | 24.2 | 717 | 14 | US-10-417-719-9 | Sequence 9, Appli |
| 30 | 304 | 24.1 | 702 | 9 | US-09-995-593A-4 | Sequence 4, Appli |
| 31 | 304 | 24.1 | 723 | 9 | US-09-828-365-21 | Sequence 21, Appl |
| 32 | 304 | 24.1 | 723 | 9 | US-09-995-593A-9 | Sequence 9, Appli |
| 33 | 304 | 24.1 | 723 | 14 | US-10-028-072-346 | Sequence 346, App |
| 34 | 304 | 24.1 | 723 | 14 | US-10-140-808-346 | Sequence 346, App |
| 35 | 304 | 24.1 | 723 | 14 | US-10-121-049-346 | Sequence 346, App |
| 36 | 304 | 24.1 | 723 | 14 | US-10-123-904-346 | Sequence 346, App |
| 37 | 304 | 24.1 | 723 | 14 | US-10-140-470-346 | Sequence 346, App |
| 38 | 304 | 24.1 | 723 | 14 | US-10-175-746-346 | Sequence 346, App |
| 39 | 304 | 24.1 | 723 | 14 | US-10-176-918-346 | Sequence 346, App |
| 40 | 304 | 24.1 | 723 | 14 | US-10-176-921-346 | Sequence 346, App |
| 41 | 304 | 24.1 | 723 | 14 | US-10-137-865-346 | Sequence 346, App |
| 42 | 304 | 24.1 | 723 | 14 | US-10-140-474-346 | Sequence 346, App |
| 43 | 304 | 24.1 | 723 | 14 | US-10-142-431-346 | Sequence 346, App |
| 44 | 304 | 24.1 | 723 | 14 | US-10-143-114-346 | Sequence 346, App |
| 45 | 304 | 24.1 | 723 | 14 | US-10-142-419-346 | Sequence 346, App |

ALIGNMENTS

RESULT 1
US-10-177-293-122
; Sequence 122, Application US/10177293
; Publication No. US20030124128A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarpu, Manjula
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Bast Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10177,293
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25

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; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 122
; LENGTH: 480
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-177-293-122

Query Match          92.4%; Score 1167; DB 14; Length 480;
Best Local Similarity 91.8%; Pred. No. 6.4e-95;
Matches 202; Conservative 6; Mismatches 12; Indels 0; Gaps 0;

QY 1 MKHLVAALLVGLSLGVQFGKGDICNPNPCENGIGICLSGLADDSFSCPCPGFAGPNC 60
DB 1 MKRSVAVLLVGLSLGVQFGKGDICDPNFCENGIGICLPGLADGSFSCPCPDGFTDPCS 60

QY 61 SVVEVASDEEKPTSGCTPNPCNCHGGTCEISEAYRGDTFYGVCCKPRGFGNHCQNI 120
DB 61 SVVEVASDEEPTSGCTPNPCNCHGGTCEISEAYRGDTFYGVCCKPRGFGNHCQNI 120

QY 121 NECEAPCRNGGICTDLVANSCECPGFMRNCQKCSGHLGIEGIIISNOQITASSNH 180
DB 121 NECEVEPCRNKGICTDLVANSCECPGFMRNCQKCSGHLGIEGIIISNOQITASSNH 180

QY 181 RALFGLQKWPYYARLNKGLINAWTAANDRWPMIQTIV 220
DB 181 RALFGLQKWPYYARLNKGLINAWTAANDRWPMIQTIV 220

RESULT 2
US-10-485-360-10
; Sequence 10, Application US/10485360
; Publication No. US20040197314A1
; GENERAL INFORMATION:
; APPLICANT: Delcayre, Alain
; TITLE OF INVENTION: Methods and Compounds for the Targeting of Protein to Exosomes
; FILE REFERENCE: B0094W0
; CURRENT APPLICATION NUMBER: US/10/485,360
; CURRENT FILING DATE: 2004-01-30
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; LENGTH: 434
; TYPE: PRT
; ORGANISM: Mus sp.
US-10-485-360-10

Query Match          29.7%; Score 374.5; DB 16; Length 434;
Best Local Similarity 36.7%; Pred. No. 7.6e-25;
Matches 73; Conservative 25; Mismatches 50; Indels 51; Gaps 4;

QY 23 GDICNPNPCENGIGICLSGLADDSFSCPCPGFAGPNCSSVVEVASDEEKPTSGAPCIPNP 82
DB 25 GDFCDSSLCUCLNGGICLTG-QNDIYCLCPGFTGLVNE-----TERGPCSPNP 72

QY 83 CHNGGTCEIS-EAYRGDTFYGVCCKPRGFGNHCQNIINCEAEPCRNNGICTDLVANY 141
DB 73 CYNDAKCLVTLDTQRGDIETEVICQCPVGSYGIHCTG-----110

QY 142 SCECPGFMRNCQKCSGHLGIEGIIISNOQITASSNHRAFLGLOKWPYYARLNKGL 201
DB 111 -----CSTQLGMEGAIADTSQISASVYVMFGMLGRGPELARYTGI 154

QY 202 INAWTAANDRWPMIQTIV 220
DB 155 VNAWHASNYDSKPIQVNL 173
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Qy 113 GIHQHINECEAPCRNGGICTDLVANSCECPGEFWRNCQ----- 155
Db 1015 GSYCOHDINECDKPLXNGGTCQDSYGTYKCTCPQGYTGLNCRVWCDSSPCKNGKC 1074
Qy 156 -----YKCSGHLGI 164
Db 1075 WOTNNFYRCECKSGWTGV 1092

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RESULT 4

US-10-369-072-25

Sequence 25, Application US/10369072

Publication No. US20040014081A1

GENERAL INFORMATION:

APPLICANT: Alsbrook II, John P

APPLICANT: Spaderna, Stephen K

APPLICANT: Tchernev, Velizar

APPLICANT: Liu, Xiaohong

APPLICANT: Shenoy, Sureesh

APPLICANT: Spytek, Kimberly

APPLICANT: Zerhusen, Bryan

APPLICANT: Patturajan, Meera

APPLICANT: Taupier, Raymond T

APPLICANT: Raetelli, Luca

APPLICANT: Grosse, William M

APPLICANT: Szerkeres, Edward S

APPLICANT: Lepley, Denise M

APPLICANT: Shen, Lei

APPLICANT: Burgess, Catherine E

APPLICANT: Shinkets, Richard

APPLICANT: Padigaru, Muralidhara

TITLE OF INVENTION: No. US20040014081A1e1 Proteins and Nucleic Acids Encoding Same

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|-----------------------|------------------|---|------------|--------------|
| Query Match | 25.7% | Score 324.5; | DB 15; | Length 2524; |
| Best Local Similarity | 32.3% | Pred. NO. 1.3e-19; | | |
| Matches 64; | Conservative 14; | Mismatches 49; | Indels 71; | Gaps 6 |
| Qy | 24 | DICNPNCENGIGILSGIADDSFCBCEPGEAGPAGNCSSVVEASDEEKPTSGAGCIPNCP | 83 | |
| Db | 909 | DDCQPNCHNGGSCSDGI--NMFFCNCAGPGRGPKCEDI | 111 | |
| Qy | 84 | HNGGT-----CEISEAYRGDTFIG--YVCKCPRGFN | 112 | |

[illegible]

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RESULT 5
US-10-173-461-5
; Sequence 5, Application US/10173461
; Publication No. US20030138795A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN GROWTH FACTOR WITH
; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR, BGS-8, EXPRESSED HIGHLY IN IMM
; FILE REFERENCE: D0166 NP
; CURRENT APPLICATION NUMBER: US/10/173,461
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: US 60/298,340
; PRIOR FILING DATE: 2001-06-14
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 1064
; TYPE: PRT
; ORGANISM: Strongylocentrotus purpuratus
US-10-173-461-5

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| Best Local Similarity | 34.7%; Pred. No. 1.8e-19; |
| Matches | 70; Conservative 16; Mismatches 65; Indels 51; Gaps 7; |
| Qy | 7 AULLVGLSLGVQPFG-----KGDICNPNCENGIGCLSGLADDSFCSCPEGFAGPNC 59 : : : |
| Db | 154 AWIFSTDRNIVNRGFRITSSDGGDCDPNLQNGAAC-TDLVND-YACTCPPGFTGRNC 211 : : : |
| Qy | 60 SSVVEVASDSEKPTSAGPCIPNPNCHNGGTCEISEAVRGDTFFGYVKCKPRGFNGIHCOHN 119 : : : |
| Db | 212 ----EIDIDE-----CASDPQONGGACV-----DGVNGYVCNCVPFGDFDECCENN 252 : : : |
| Qy | 120 INRCEAPRCNGGICTDLVANYSCECPGFWRNCQ-----Y 156 : : : |
| Db | 253 INECASPLNGLCVDGVNMFECTLAGFTGVRCEVNIDECASPCQNGGICIDGINGY 312 : : : |
| Qy | 157 KCSGHLGIEGGIISNQKITASS 178 : : : |
| Db | 313 TCSCPGLGFSGCENNDDECSS 334 : : : |

RESULT 6
US-190-190-115-4
: Sequence 4, Application US/10190115
: Publication No. US20030207394A1
: GENERAL INFORMATION:
: APPLICANT: Alsobrook, John P. II
: APPLICANT: Boldog, Ferenc L.
: APPLICANT: Burgess, Catherine E.
: APPLICANT: Casman, Stacie J.
: APPLICANT: Grosse, William M.
: APPLICANT: Gusev, Vladimir Y.
: APPLICANT: Ji, Weichen
: APPLICANT: Lepley, Denise M.
: APPLICANT: Liu, Xiaohong
: APPLICANT: Mezick, Amanda J.
: APPLICANT: Padigaru, Muralidhara
: APPLICANT: Patturajan, Meera
: APPLICANT: Rastelli, Luca
: APPLICANT: Shen, Lei

```

; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Shimkets, Richard A.
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Spytek, Kimberley A.
; APPLICANT: Szekeres, Edward S. Jr.
; APPLICANT: Taupier, Raymond J. Jr.
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Voss, Edward Z.
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-050 CIP
; CURRENT APPLICATION NUMBER: US/10/190,115
; CURRENT FILING DATE: 2003-02-10
; PRIOR APPLICATION NUMBER: 60/303,168
; PRIOR FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/368,996
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 60/386,816
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: 60/215,854
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,856
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,902
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/216,585,
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/216,586
; PRIOR FILING DATE: 2001-07-07
; PRIOR APPLICATION NUMBER: 60/216,722
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/218,622
; PRIOR FILING DATE: 2000-07-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 136
; SOFTWARE: CuroSeqList version 0.1
; SEQ ID NO 4
; LENGTH: 1473
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-190-115-4

Query Match 25.2%; Score 318; DB 15; Length 1473;
Best Local Similarity 41.1%; Pred. No. 2.8e-19;
Matches 58; Conservative 15; Mismatches 44; Indels 24; Gaps 4;

QY 24 DICNPNPCNGGICLSGLADSFSCCEPEGFAGNCSVVVEASDEEKPTSGAGPCIPNPC 83
Db 913 DDCLANPCQNGSCMDGV--NTFSCCLCLPGFTGDKCQ-----TDMNECLSEPC 958

QY 84 HNGGTCISEAYRGDTFIGYVCKPRGNGHCOHNECEAPCRNGGICTDLVANYSC 143
Db 959 KNGGTC-----SDYVNSYTCQAGFDGVHCENNINECTESSCFNGGTCVDGINSFSC 1011

QY 144 ECPGEFMGRNCOY---KCSGH 161
Db 1012 LCPVGFTGSGFCLHEINECSSH 1032

RESULT 7
US-10-369-072-4
; Sequence 4, Application US/10369072
; Publication No. US20040014081A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John P
; APPLICANT: Spaderna, Stephen K
; APPLICANT: Tchernev, Velizar
; APPLICANT: Liu, Xiaohong
; APPLICANT: Shenoy, Suresh
; APPLICANT: Spytek, Kimberley
; APPLICANT: Zernusen, Bryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Taupier, Raymond T

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; APPLICANT: Rastelli, Luca
; APPLICANT: Grosse, William M
; APPLICANT: Szekeres, Edward S
; APPLICANT: Lepley, Denise M
; APPLICANT: Shen, Lei
; APPLICANT: Burgess, Catherine E
; APPLICANT: Shimkets, Richard
; APPLICANT: Padigar, Muralidhara
; TITLE OF INVENTION: No. US20040014081A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-050 CON2
; CURRENT APPLICATION NUMBER: US/10/369,072
; CURRENT FILING DATE: 2003-02-18
; PRIOR APPLICATION NUMBER: 10/174,372
; PRIOR FILING DATE: 2002-06-17
; PRIOR APPLICATION NUMBER: 09/898,994
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: 60/215,854
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,856
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,902
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/216,585
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/216,586
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/216,722
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/218,622
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 60/218,992
; PRIOR FILING DATE: 2000-07-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 1473
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-369-072-4

Query Match 25.2%; Score 318; DB 15; Length 1473;
Best Local Similarity 41.1%; Pred. No. 2.8e-19;
Matches 58; Conservative 15; Mismatches 44; Indels 24; Gaps 4;

QY 24 DICNPNPCNGGICLSGLADSFSCCEPEGFAGNCSVVVEASDEEKPTSGAGPCIPNPC 83
Db 913 DDCLANPCQNGSCMDGV--NTFSCCLCLPGFTGDKCQ-----TDMNECLSEPC 958

QY 84 HNGGTCISEAYRGDTFIGYVCKPRGNGHCOHNECEAPCRNGGICTDLVANYSC 143
Db 959 KNGGTC-----SDYVNSYTCQAGFDGVHCENNINECTESSCFNGGTCVDGINSFSC 1011

QY 144 ECPGEFMGRNCOY---KCSGH 161
Db 1012 LCPVGFTGSGFCLHEINECSSH 1032

RESULT 8
US-10-322-281-726
; Sequence 726, Application US/10322281
; Publication No. US20040126762A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
; FILE REFERENCE: 529452001000
; CURRENT APPLICATION NUMBER: US/10/322,281
; CURRENT FILING DATE: 2002-12-17
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 726
; LENGTH: 2203

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Db 385 DNPDDGYICFCPVGYSGFNCCKKIDYCSNPNANGARCE-----DLGNSYICQCEGF 437
Qy 112 NGHCHQHINNECEAEPCRNCGGICTDLVANSCEPCGEFMRNCOY---KCSGHLGIEGGI 168
Db 438 SGRNCNDLDDCTCFPCQNGGTCQDGINDISCTCPGCGYKNCSPITICE-HNPCNCA 496
Qy 169 ISNQOITASSNHRAL-----FLOKQWYFYARLNKKGLINAWTAENDRW 215
Db 497 TCHER-----NNRYVQCARGYGNCCQFLPPEKPVVVDLTK-----YTEGSGQFPW 546
Qy 216 IQVTVG 221
Db 547 IAVCAG 552
RESULT 13
US-09-783-931-5
; Sequence 5, Application US/09783931
; Publication No. US20030073620A1
; GENERAL INFORMATION:
; APPLICANT: Ish-Horowicz, David
; Henrique, Domingos Manuel Pinto
; Lewis, Julian Hart
; Artavanis-Tsakonas, Spyridon
; Gray, Grace
; TITLE OF INVENTION: ANTIBODIES TO VERTEBRATE DELTA PROTEINS
; AND FRAGMENTS
; NUMBER OF SEQUENCES: 94
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036/2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/783,931
; FILING DATE: 15-Feb-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/981,392
; FILING DATE: 22-DEC-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Antler, Adriane M.
; REGISTRATION NUMBER: 32,605
; REFERENCE/DOCKET NUMBER: 7326-122
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 721 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-783-931-5
Query Match 25.1%; Score 317.5; DB 10; Length 721;
Best Local Similarity 28.5%; Pred. No. 1.4e-19;
Matches 70; Conservative 33; Mismatches 66; Indels 77; Gaps 9;
Qy 26 CNPNPCNGGICLSGLADDSFSCCEPCGEPAGNCSVVEVASDEEKPSTAGPC1----- 79
Db 334 CDANPCKNGGSCD--LENSYTCSPGPGYGNKNCLSAMTCAD-----GPCFNCRCA 384

Qy 24 DICNPNPCNGGICLSGLADDSFSCCEPCGEPAGNCSVVEVASDEEKPSTAGPC1NPN 83
Db 913 DCLANPCNGGSCMDGV--NTFSLCLPGFTGDKCQ-----TDMNECLSPC 958
Qy 84 HNGGTCETSEAVRGDTFTGYVCKCPRGNGHCHQHINNECEAEPCRNCGGICTDLVANSYC 143
Db 959 KNGGTC-----SDVNSYTCQAGFDGVHCENNINEECTESSCFNGGTCVDGINSFSC 1011
Qy 144 ECGEFGMRNCOY---KCSGH 161
Db 1012 LCPVGTGTSFCLHEINECSSH 1032
RESULT 12
US-09-908-322-5
; Sequence 5, Application US/09908322
; Patent No. US20020107194A1
; GENERAL INFORMATION:
; APPLICANT: Ish-Horowicz, David
; Henrique, Domingos Manuel Pinto
; Lewis, Julian Hart
; Artavanis-Tsakonas, Spyridon
; Gray, Grace
; TITLE OF INVENTION: NUCLEOTIDE AND PROTEIN SEQUENCES OF
; VERTEBRATE DELTA GENE AND METHODS BASED THEREON
; NUMBER OF SEQUENCES: 94
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036/2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/908,322
; FILING DATE: 17-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/981,392
; FILING DATE: 22-DEC-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mistrock, S Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 7326-123
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 721 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-908-322-5
Query Match 25.1%; Score 317.5; DB 9; Length 721;
Best Local Similarity 28.5%; Pred. No. 1.4e-19;
Matches 70; Conservative 33; Mismatches 66; Indels 77; Gaps 9;
Qy 26 CNPNPCNGGICLSGLADDSFSCCEPCGEPAGNCSVVEVASDEEKPSTAGPC1----- 79
Db 334 CDANPCKNGGSCD--LENSYTCSPGPGYGNKNCLSAMTCAD-----GPCFNCRCA 384
Qy 80 -----PNPCHNGTCTEISEAYRGDTFTGYVCKCPRG 111

QY 80 -----PNPCHNGGTCEISEAYRGDTFTGYVCKCPRGF 111
Db 385 DNPDDGGYICPCPVGYSGFNCEKKIDYCSSNFCANGARCE-----DLGNSYICQCEQGF 437
QY 112 NGIHCOHNECEABPCRNCGICTDLVANYSCPCGPFMGRCQY---KCSGHLGIEGGI 168
Db 438 SGRNCDNLDCTSFPCQNGGTCDGINDYSCTCPGPGYGNKCSMPITKCE-HNPNCHNGA 496
QY 169 ISNQITASSNHRAL-----FGLQKWYPYARLNKKGLINAWTAENDRWPM 215
Db 497 TCHER-----NNRYVQCARGYGNNCQFLLPEEKPVVDLTK-----YTEGSGQFPW 546
QY 216 IQVTVG 221
Db 547 IAVCAG 552

RESULT 14

US-10-417-719-7
; Sequence 7, Application US/10417719
; Publication No. US20030180784A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc
; APPLICANT: McCarthy, Sean
; APPLICANT: Gearing, David
; TITLE OF INVENTION: HUMAN DELTA3 AND USES THEREOF
; FILE REFERENCE: MBIO1997-002CP2M
; CURRENT APPLICATION NUMBER: US/10/417,719
; CURRENT FILING DATE: 2003-04-17
; PRIOR APPLICATION NUMBER: US/09/568,218
; PRIOR FILING DATE: 2000-05-09
; PRIOR APPLICATION NUMBER: 08/872,855
; PRIOR FILING DATE: 1997-06-11
; PRIOR APPLICATION NUMBER: 08/832,633
; PRIOR FILING DATE: 1997-04-04
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 721
; TYPE: PRT
; ORGANISM: Xenopus laevis
US-10-417-719-7

Query Match 25.1%; Score 317.5; DB 14; Length 721;
Best Local Similarity 28.5%; Pred. No. 1.4e-19;
Matches 70; Conservative 33; Mismatches 66; Indels 77; Gaps 9;

QY 26 CNPNPCNGGICLSGLADDSFSCPCGPEGAGPNCSSVVEASDEEKPISAGPCI-----79
Db 334 CDANPCKNCGGSCSD--LENSYTCSCPPGFGYGNKCELSAMTCAD-----GPCFNGGRCA 384
QY 80 -----PNPCHNGGTCEISEAYRGDTFTGYVCKCPRGF 111
Db 385 DNPDDGGYICPCPVGYSGFNCEKKIDYCSSNFCANGARCE-----DLGNSYICQCEQGF 437
QY 112 NGIHCOHNECEABPCRNCGICTDLVANYSCPCGPFMGRCQY---KCSGHLGIEGGI 168
Db 438 SGRNCDNLDCTSFPCQNGGTCDGINDYSCTCPGPGYGNKCSMPITKCE-HNPNCHNGA 496
QY 169 ISNQITASSNHRAL-----FGLQKWYPYARLNKKGLINAWTAENDRWPM 215
Db 497 TCHER-----NNRYVQCARGYGNNCQFLLPEEKPVVDLTK-----YTEGSGQFPW 546
QY 216 IQVTVG 221
Db 547 IAVCAG 552

RESULT 15

US-10-042-865-109
; Sequence 109, Application US/10042865
; Publication No. US20040029216A1

GENERAL INFORMATION:
; APPLICANT: Padigar, Muralidhara
; APPLICANT: Li, Li
; APPLICANT: Zerhusen, Bryan D
; APPLICANT: Casman, Stacie J
; APPLICANT: Shenoy, Suresh G
; APPLICANT: Spytek, Kimberly
; APPLICANT: Zhong, Mei
; APPLICANT: Gangolli, Esha A
; APPLICANT: Burgess, Catherine E
; APPLICANT: Patturajan, Meera
; APPLICANT: Vernet, Corine A.M
; APPLICANT: Taylor, Sarah
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Miller, Charles E
; APPLICANT: Guo, Xiaojia
; APPLICANT: Boldog, Ference L
; APPLICANT: Grosse, William M
; APPLICANT: Alsbrook II, John P
; APPLICANT: Gerlach, Valerie L
; APPLICANT: Edinger, Shlomit R
; APPLICANT: Rothenberg, Mark E
; APPLICANT: Ellerman, Karen
; APPLICANT: MacDougall, John M
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Millet, Isabelle
; APPLICANT: Peyman, John
; APPLICANT: Smithson, Glennda
; APPLICANT: Gunther, Erik
; APPLICANT: Stone, David
; TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of
; FILE REFERENCE: 21402-537
; CURRENT APPLICATION NUMBER: US/10/042,865
; CURRENT FILING DATE: 2002-05-17
; PRIOR APPLICATION NUMBER: 60/260,417
; PRIOR FILING DATE: 2001-01-09
; PRIOR APPLICATION NUMBER: 60/260,831
; PRIOR FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: 60/272,338
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/274,876
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/284,704
; PRIOR FILING DATE: 2001-04-18
; NUMBER OF SEQ ID NOS: 264
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 109
; LENGTH: 721
; TYPE: PRT
; ORGANISM: Xenopus laevis
US-10-042-865-109

Query Match 25.1%; Score 317.5; DB 15; Length 721;
Best Local Similarity 28.5%; Pred. No. 1.4e-19;
Matches 70; Conservative 33; Mismatches 66; Indels 77; Gaps 9;

QY 26 CNPNPCNGGICLSGLADDSFSCPCGPEGAGPNCSSVVEASDEEKPISAGPCI-----79
Db 334 CDANPCKNCGGSCSD--LENSYTCSCPPGFGYGNKCELSAMTCAD-----GPCFNGGRCA 384
QY 80 -----PNPCHNGGTCEISEAYRGDTFTGYVCKCPRGF 111
Db 385 DNPDDGGYICPCPVGYSGFNCEKKIDYCSSNFCANGARCE-----DLGNSYICQCEQGF 437
QY 112 NGIHCOHNECEABPCRNCGICTDLVANYSCPCGPFMGRCQY---KCSGHLGIEGGI 168
Db 438 SGRNCDNLDCTSFPCQNGGTCDGINDYSCTCPGPGYGNKCSMPITKCE-HNPNCHNGA 496
QY 169 ISNQITASSNHRAL-----FGLQKWYPYARLNKKGLINAWTAENDRWPM 215
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us-09-237-981e-29.rapb

Wed Mar 30 17:27:07 2005

| | | | |
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| Qy | 216 | IQTVG | 221 |
| Db | 547 | IACAG | 552 |

Search completed: March 26, 2005, 08:25:00
Job time : 30.2374 secs

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OM protein - protein search, using sw model

Run on: March 26, 2005, 07:56:55 ; Search time 26.951 Seconds
(without alignments)
1332.278 Million cell updates/sec

Title: US-09-237-981B-30
Perfect score: 2655
Sequence: 1 MKRSVAVMLLVGLSLGVPOF.....MSWYGRITLASELLGCTEE 481

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | | Query Match | Length | DB ID | Description |
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| 1 | 2641 | 99.5 | 513 | 2 | US-08-480-229C-14 | Sequence 14, Appl |
| 2 | 2641 | 99.5 | 513 | 2 | US-08-559-235C-14 | Sequence 14, Appl |
| 3 | 2494.5 | 94.0 | 480 | 2 | US-08-480-229C-10 | Sequence 10, Appl |
| 4 | 2494.5 | 94.0 | 480 | 2 | US-08-559-235C-10 | Sequence 10, Appl |
| 5 | 2428.5 | 91.5 | 448 | 4 | US-09-949-016-10130 | Sequence 10130, A |
| 6 | 1723 | 64.9 | 321 | 2 | US-08-480-229C-21 | Sequence 21, Appl |
| 7 | 1723 | 64.9 | 321 | 2 | US-08-559-235C-21 | Sequence 21, Appl |
| 8 | 1132.5 | 42.7 | 221 | 2 | US-08-480-229C-29 | Sequence 29, Appl |
| 9 | 1132.5 | 42.7 | 221 | 2 | US-08-559-235C-29 | Sequence 29, Appl |
| 10 | 1114 | 42.0 | 463 | 2 | US-08-162-402B-9 | Sequence 9, Appl |
| 11 | 1097.5 | 41.3 | 465 | 2 | US-08-162-402B-8 | Sequence 8, Appl |
| 12 | 997.5 | 37.6 | 387 | 2 | US-08-162-402B-6 | Sequence 6, Appl |
| 13 | 914 | 34.4 | 320 | 2 | US-08-480-229C-20 | Sequence 20, Appl |
| 14 | 914 | 34.4 | 320 | 2 | US-08-559-235C-20 | Sequence 20, Appl |
| 15 | 655 | 24.7 | 2319 | 1 | US-08-212-133A-8 | Sequence 8, Appl |
| 16 | 655 | 24.7 | 2319 | 1 | US-08-474-503-6 | Sequence 6, Appl |
| 17 | 655 | 24.7 | 2319 | 3 | US-08-570-707A-6 | Sequence 6, Appl |
| 18 | 655 | 24.7 | 2319 | 3 | US-09-037-601-6 | Sequence 6, Appl |
| 19 | 655 | 24.7 | 2319 | 3 | US-09-315-179-6 | Sequence 6, Appl |
| 20 | 655 | 24.7 | 2319 | 4 | US-09-523-656-28 | Sequence 28, Appl |
| 21 | 655 | 24.7 | 2319 | 5 | PCT-US94-13200-6 | Sequence 6, Appl |
| 22 | 654.5 | 24.7 | 2183 | 3 | US-08-746-111-5 | Sequence 5, Appl |
| 23 | 642.5 | 24.2 | 2324 | 4 | US-09-054-272-38 | Sequence 38, Appl |
| 24 | 640.5 | 24.1 | 2304 | 3 | US-09-324-867-4 | Sequence 4, Appl |
| 25 | 634 | 23.9 | 2332 | 1 | US-08-276-594A-2 | Sequence 2, Appl |
| 26 | 631 | 23.8 | 2351 | 6 | 5422260-1 | Patent No. 5422260 |
| 27 | 631 | 23.8 | 2351 | 6 | 5422260-1 | Patent No. 5422260 |

28 630 23.7 1438 3 US-09-209-916-1 Sequence 1, Appli
29 630 23.7 1457 4 US-09-001-039B-47 Sequence 47, Appli
30 630 23.7 1471 1 US-08-683-839B-3 Sequence 3, Appli
31 630 23.7 1661 2 US-08-882-083-2 Sequence 2, Appli
32 630 23.7 1661 2 US-08-558-107-2 Sequence 2, Appli
33 630 23.7 1661 3 US-09-243-539-2 Sequence 2, Appli
34 630 23.7 2332 1 US-07-864-004B-4 Sequence 4, Appli
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39 630 23.7 2332 3 US-09-037-601-2 Sequence 2, Appli
40 630 23.7 2332 3 US-09-324-867-3 Sequence 3, Appli
41 630 23.7 2332 3 US-09-315-179-2 Sequence 2, Appli
42 630 23.7 2332 4 US-09-523-656-2 Sequence 2, Appli
43 630 23.7 2332 4 US-09-957-641A-2 Sequence 2, Appli
44 630 23.7 2332 5 PCT-US93-03275-4 Sequence 4, Appli
45 630 23.7 2332 5 PCT-US94-13200-2 Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-08-480-229C-14
; Sequence 14, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quettermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Shodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,229C
FILING DATE: 07-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCES/DOCKET NUMBER: 8907-0026-999
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 Pennie
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 513 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-480-229C-14

Query Match 99.5%; Score 2641; DB 2; Length 513;
Best Local Similarity 99.0%; Pred No. 3.3e-209;
Matches 476; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 1 MKRSVAVMLLVGLSLGVPOFGKGDICDPNPNCGGICLPLGLAVGFSFCBPGDFTDPNCS 60

SEQUENCE CHARACTERISTICS:
LENGTH: 513 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-659-235C-14

Query Match 99.5%; Score 2641; DB 2; Length 513;
Best Local Similarity 99.0%; Pred. No. 3.3e-209; Indels 0; Gaps 0;
Matches 476; Conservative 0; Mismatches 5;

33 MKRSVAVLLVGLSLGVPFGKGDICDPNCPENGICLPGLAVGSFSCPCPDGFTDNC 92
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93 SVVEVASDEEPTSGPCTPNCHNGGTCEISEAYRGDTFYGVCCKPRGFNGIHCOHNI 152
121 NECEVEPCNKGICTDLVANYSCPCGPFMGRNCOYKCSGPLGIEGGIISNQOITASSTH 180
153 NECEVEPCNKGICTDLVANYSCPCGPFMGRNCOYKCSGPLGIEGGIISNQOITASSTH 212
181 RALFGLQKWPYPYARLNKGLINAWTAANDRNWNIQINLQRMVTVGVTIQGAKRIGS 240
213 RALFGLQKWPYPYARLNKGLINAWTAANDRNWNIQINLQRMVTVGVTIQGAKRIGS 272
241 PEYIKFYKIAYSNDGKTWAMYKVGKTNEDMVFGRNIDNNTPYANSFTTPIKAQYVRLYPQ 300
273 PEYIKFYKIAYSNDGKTWAMYKVGKTNEDMVFGRNIDNNTPYANSFTTPIKAQYVRLYPQ 332
301 VCRHCTLRMELGCELSCSEPLGMSGHIQDYQITASSIFRTLNMDMTWEPKARLD 360
333 VCRHCTLRMELGCELSCSEPLGMSGHIQDYQITASSIFRTLNMDMTWEPKARLD 392
361 KQKVNWNTSGHNDOSQWLQVLLVPTKVTGIIITQAKDGHVQFVGSYKLAYSNDGEHW 420
393 KQKVNWNTSGHNDOSQWLQVLLVPTKVTGIIITQAKDGHVQFVGSYKLAYSNDGEHW 452
421 TVQDEKORKDKVKQGNFNDTHRKVNIDPPIYARHIRILPMSWYGRITLASELLGCTEE 480
453 TVQDEKORKDKVKQGNFNDTHRKVNIDPPIYARHIRILPMSWYGRITLASELLGCTEE 512
481 E 481
513 E 513

RESULT 2
US-08-659-235C-14
; Sequence 14, Application US/08659235C
; Patent No. 5877281
; GENERAL INFORMATION:
; APPLICANT: Quatermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/659,235C
; FILING DATE: 05-JUN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0034-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:
LENGTH: 513 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-659-235C-14

Query Match 99.5%; Score 2641; DB 2; Length 513;
Best Local Similarity 99.0%; Pred. No. 3.3e-209; Indels 0; Gaps 0;
Matches 476; Conservative 0; Mismatches 5;

1 MKRSVAVLLVGLSLGVPFGKGDICDPNCPENGICLPGLAVGSFSCPCPDGFTDNC 60
33 MKRSVAVLLVGLSLGVPFGKGDICDPNCPENGICLPGLAVGSFSCPCPDGFTDNC 92
61 SVVEVASDEEPTSGPCTPNCHNGGTCEISEAYRGDTFYGVCCKPRGFNGIHCOHNI 120
93 SVVEVASDEEPTSGPCTPNCHNGGTCEISEAYRGDTFYGVCCKPRGFNGIHCOHNI 152
121 NECEVEPCNKGICTDLVANYSCPCGPFMGRNCOYKCSGPLGIEGGIISNQOITASSTH 180
153 NECEVEPCNKGICTDLVANYSCPCGPFMGRNCOYKCSGPLGIEGGIISNQOITASSTH 212
181 RALFGLQKWPYPYARLNKGLINAWTAANDRNWNIQINLQRMVTVGVTIQGAKRIGS 240
213 RALFGLQKWPYPYARLNKGLINAWTAANDRNWNIQINLQRMVTVGVTIQGAKRIGS 272
241 PEYIKFYKIAYSNDGKTWAMYKVGKTNEDMVFGRNIDNNTPYANSFTTPIKAQYVRLYPQ 300
273 PEYIKFYKIAYSNDGKTWAMYKVGKTNEDMVFGRNIDNNTPYANSFTTPIKAQYVRLYPQ 332
301 VCRHCTLRMELGCELSCSEPLGMSGHIQDYQITASSIFRTLNMDMTWEPKARLD 360
333 VCRHCTLRMELGCELSCSEPLGMSGHIQDYQITASSIFRTLNMDMTWEPKARLD 392
361 KQKVNWNTSGHNDOSQWLQVLLVPTKVTGIIITQAKDGHVQFVGSYKLAYSNDGEHW 420
393 KQKVNWNTSGHNDOSQWLQVLLVPTKVTGIIITQAKDGHVQFVGSYKLAYSNDGEHW 452
421 TVQDEKORKDKVKQGNFNDTHRKVNIDPPIYARHIRILPMSWYGRITLASELLGCTEE 480
453 TVQDEKORKDKVKQGNFNDTHRKVNIDPPIYARHIRILPMSWYGRITLASELLGCTEE 512
481 E 481
513 E 513

RESULT 3
US-08-480-229C-10
; Sequence 10, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quatermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,229C
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0026-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-480-229C-10

Query Match          94.0%; Score 2494.5; DB 2; Length 480;
Best Local Similarity 93.6%; Pred. No. 3 5e-197;
Matches 450; Conservative 8; Mismatches 22; Indels 1; Gaps 1;

QY 1 MKRSVAVMLLVLSGLVPGFGKGDICDPNCPENGIGICLPGLAVGSPSCPGDTPDNC 60
DB 1 MKHLVAWMLLVLSGLVPGFGKGDICPNPNCENGIGICLSGLADDSFSCPCGFGAPNCS 60
QY 61 SVVEVASDEEBEPTSAGCPNPNCHNGGTCEISEAYRGDTFIVGVCKPRGFGNHCQHN 120
DB 61 SVVEVASDBEKPSTAGPCIPNPNCHNGGTCEISEAYRGDTFIVGVCKPRGFGNHCQHN 120
QY 121 NECEVEPCNKGICITDLVANYSCPCGPFMGRNCOYKCSGLGIEGGIISNOQITASS 180
DB 121 NECEAEPCNKGICITDLVANYSCPCGPFMGRNCOYKCSGLGIEGGIISNOQITASS 180
QY 181 RALFGLQKWYPYARLNKKGLINAWTAENDRNWRIQINLQRMKRVTVITQAKRIGS 240
DB 181 RALFGLQKWYPYARLNKKGLINAWTAENDRW-PWQINLQRMKRVTVITQAKRIGS 239
QY 241 PEYIKYKAYSNDGKTWAMYKVGTDNEDMVRGNIDNNTPYANSFTPIKQYVRLYPQ 300
DB 240 PEYIKYKAYSNDGKTWAMYKVGTDNEDMVRGNIDNNTPYANSFTPIKQYVRLYPQ 299
QY 301 VCRHCTLRMELLCGELSCSEPLGKMSGHIQDYQITASSIFRTLNMDMFTWEPKARLD 360
DB 300 ICRRHCTLRMELLCGELSCSEPLGKMSGHIQDYQITASSVFTLNMDMFTWEPKARLD 359
QY 361 KQKVNAMTSGHNDQSQWLQVLLVPTKVTGIIITQAKDXGHVQFVGSYKLAYSNDGEHW 420
DB 360 KQKVNAMTSGHNDQSQWLQVLLVPTKVTGIIITQAKDFGHVQFVGSYKLAYSNDGEHW 419
QY 421 TVXQDEKQKDKVKXQGNFNDTHRKVNIDPPPIYARHILPWSWYGRITLASLIGCTEE 480
DB 420 MVHQDEKQKDKVKFQGNFNDTHRKVNIDPPPIYARFIRLPWSWYGRITLRSELLGCABE 479
QY 481 E 481
DB 480 E 480

RESULT 4
US-08-659-235C-10
; Sequence 10, Application US/08659235C
; Patent No. 5877281
; GENERAL INFORMATION:
; APPLICANT: Quettermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
```

```

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/659,235C
; FILING DATE: 05-JUN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0034-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-659-235C-10

Query Match          94.0%; Score 2494.5; DB 2; Length 480;
Best Local Similarity 93.6%; Pred. No. 3 5e-197;
Matches 450; Conservative 8; Mismatches 22; Indels 1; Gaps 1;

QY 1 MKRSVAVMLLVLSGLVPGFGKGDICDPNCPENGIGICLPGLAVGSPSCPGDTPDNC 60
DB 1 MKHLVAWMLLVLSGLVPGFGKGDICPNPNCENGIGICLSGLADDSFSCPCGFGAPNCS 60
QY 61 SVVEVASDEEBEPTSAGCPNPNCHNGGTCEISEAYRGDTFIVGVCKPRGFGNHCQHN 120
DB 61 SVVEVASDBEKPSTAGPCIPNPNCHNGGTCEISEAYRGDTFIVGVCKPRGFGNHCQHN 120
QY 121 NECEVEPCNKGICITDLVANYSCPCGPFMGRNCOYKCSGLGIEGGIISNOQITASS 180
DB 121 NECEAEPCNKGICITDLVANYSCPCGPFMGRNCOYKCSGLGIEGGIISNOQITASS 180
QY 181 RALFGLQKWYPYARLNKKGLINAWTAENDRNWRIQINLQRMKRVTVITQAKRIGS 240
DB 181 RALFGLQKWYPYARLNKKGLINAWTAENDRW-PWQINLQRMKRVTVITQAKRIGS 239
QY 241 PEYIKYKAYSNDGKTWAMYKVGTDNEDMVRGNIDNNTPYANSFTPIKQYVRLYPQ 300
DB 240 PEYIKYKAYSNDGKTWAMYKVGTDNEDMVRGNIDNNTPYANSFTPIKQYVRLYPQ 299
QY 301 VCRHCTLRMELLCGELSCSEPLGKMSGHIQDYQITASSIFRTLNMDMFTWEPKARLD 360
DB 300 ICRRHCTLRMELLCGELSCSEPLGKMSGHIQDYQITASSVFTLNMDMFTWEPKARLD 359
QY 361 KQKVNAMTSGHNDQSQWLQVLLVPTKVTGIIITQAKDXGHVQFVGSYKLAYSNDGEHW 420
DB 360 KQKVNAMTSGHNDQSQWLQVLLVPTKVTGIIITQAKDFGHVQFVGSYKLAYSNDGEHW 419
QY 421 TVXQDEKQKDKVKXQGNFNDTHRKVNIDPPPIYARHILPWSWYGRITLASLIGCTEE 480
DB 420 MVHQDEKQKDKVKFQGNFNDTHRKVNIDPPPIYARFIRLPWSWYGRITLRSELLGCABE 479
QY 481 E 481
DB 480 E 480
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RESULT 5
US-09-949-016-10130
; Sequence 10130, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10130
; LENGTH: 448
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-10130

      Query Match      91.5%; Score 2428.5; DB 4; Length 448;
      Best Local Similarity 95.9%; Pred. No. 8.6e-192;
      Matches 440; Conservative 0; Mismatches 8; Indels 11; Gaps 2;

QY      23  GDICDNPNCNGGICLPGLAVGSCFCPCDGTDPNCSSVVEVASDEEFTSAGPCTNP 82
Db      1  GDICDNPNCNGGICLPGLADGSCFCPCDGTDPNCSSVVEV-----GPTCTNP 50

QY      83  CHNGGTCETSEAYRGDTTIGVCKPCRFNGIHCOHNIENCEVEBPCKNGGICTDLVANYS 142
Db      51  CHNGGTCETSEAYRGDTTIGVCKPCRFNGIHCOHNIENCEVEBPCKNGGICTDLVANYS 110

QY      143  CECPCGEFMGRNCQYKCSGPLGIEGGIISNQITASSTHRALFGLQKWYPYARLNKKGLI 202
Db      111  CECPCGEFMGRNCQYKCSGPLGIEGGIISNQITASSTHRALFGLQKWYPYARLNKKGLI 170

QY      203  NAWTAANDRWNRWTQINLQRKRVGTGITOGAKRIGSPETIKFYKLIAYSDNGKTWAMYK 262
Db      171  NAWTAANDRW-PTQINLQRKRVGTGITOGAKRIGSPETIKFYKLIAYSDNGKTWAMYK 229

QY      263  VKGTNEDVMVFRGNIDNNTPYANSFTPPIKAQVRLYPQVCRRHCTLRMELLGCSLGCSE 322
Db      230  VKGTNEDVMVFRGNIDNNTPYANSFTPPIKAQVRLYPQVCRRHCTLRMELLGCSLGCSE 289

QY      323  PLGKMSGHIOYQITASSITFRTLNDMDFTWEPRKARLDKQKVNAWTSGHNDQSQWLQVX 382
Db      290  PLGKMSGHIOYQITASSITFRTLNDMDFTWEPRKARLDKQKVNAWTSGHNDQSQWLQVD 349

QY      383  LLVPTKVGTIITOGAKDXGHVQFVGSYKLIAYSDNGEHWTVVQDEKQRKDKVKQGNFNDT 442
Db      350  LLVPTKVGTIITOGAKDFGHVQFVGSYKLIAYSDNGEHWTVVQDEKQRKDKVKQGNFNDT 409

QY      443  HRKNVIDPPIYARHILRILPMSWYGRITLASSELLGCTEE 481
Db      410  HRKNVIDPPIYASHIRILPMSWYGRITLASSELLGCTEE 448

RESULT 6
US-08-480-229C-21
; Sequence 21, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quertemus, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1

```

;; TITLE OF INVENTION: CELL LOCUS-1
;; NUMBER OF SEQUENCES: 29
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Pennie & Edmonds LLP
;; STREET: 1155 Avenue of the Americas
;; CITY: New York
;; STATE: New York
;; COUNTRY: United States
;; ZIP: 10036-2711
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patent In Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/659,235C
;; FILING DATE: 05-JUN-1996
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Poissant, Brian M.
;; REGISTRATION NUMBER: 28,462
;; REFERENCE/DOCKET NUMBER: 8907-0034-999
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212) 790-9090
;; TELEFAX: (212) 869-8864/9741
;; TELEX: 66141 Pennie
;; INFORMATION FOR SEQ ID NO: 21:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 321 amino acids
;; TYPE: amino acid
;; STRANDEDNESS:
;; TOPOLOGY: unknown
;; MOLECULE TYPE: protein
;; US-08-659-235C-21

Query Match 64.9%; Score 1723; DB 2; Length 321;
Best Local Similarity 100.0%; Pred. No. 6.7e-134;
Matches 321; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 158 CSGPLGIEGIIISNQITASSSTRALFGLQKWPYYARLNKKGILINAWTAANDRNWRI 217
DB 1 CSGPLGIEGIIISNQITASSSTRALFGLQKWPYYARLNKKGILINAWTAANDRNWRI 60
QY 218 QINLQRMVTVITQAKRIGSPYIKFYKIAYSDNGKTWAMYKVGNTNEDMVFRGNID 277
DB 61 QINLQRMVTVITQAKRIGSPYIKFYKIAYSDNGKTWAMYKVGNTNEDMVFRGNID 120
QY 278 NNTPYANSFTPPKAOVRLYPQVCRHCTLRMELLGCELSGCGSEPLGMKSGHIQDYQIT 337
DB 121 NNTPYANSFTPPKAOVRLYPQVCRHCTLRMELLGCELSGCGSEPLGMKSGHIQDYQIT 180
QY 338 ASSIFRTLNDMFTWEPKARLDKQKVNAWTSGHNDQSOWLQVLLVPTKVTGIITQGA 397
DB 181 ASSIFRTLNDMFTWEPKARLDKQKVNAWTSGHNDQSOWLQVLLVPTKVTGIITQGA 240
QY 398 KDXGHVQVGSYKLAYSNDGEHVTXQDEKQKDKVXQGNFNDTRKKNVIDPPIYARHI 457
DB 241 KDXGHVQVGSYKLAYSNDGEHVTXQDEKQKDKVXQGNFNDTRKKNVIDPPIYARHI 300
QY 458 RILPWSWYGRITLASELLGCT 478
DB 301 RILPWSWYGRITLASELLGCT 321

RESULT 8
US-08-480-229C-29
; Sequence 29, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quentemus, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.

;; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
;; NUMBER OF SEQUENCES: 29
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Pennie & Edmonds LLP
;; STREET: 1155 Avenue of the Americas
;; CITY: New York
;; STATE: New York
;; COUNTRY: United States
;; ZIP: 10036-2711
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patent In Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/480,229C
;; FILING DATE: 07-JUN-1995
;; CLASSIFICATION: 536
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Poissant, Brian M.
;; REGISTRATION NUMBER: 28,462
;; REFERENCE/DOCKET NUMBER: 8907-0026-999
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212) 790-9090
;; TELEFAX: (212) 869-8864/9741
;; TELEX: 66141 Pennie
;; INFORMATION FOR SEQ ID NO: 29:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 221 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; FRAGMENT TYPE: internal
;; US-08-480-229C-29

Query Match 42.7%; Score 1132.5; DB 2; Length 221;
Best Local Similarity 90.0%; Pred. No. 1.7e-85;
Matches 199; Conservative 6; Mismatches 15; Indels 1; Gaps 1;
QY 1 MKRSVAWLLVLSLGVQPGFGKIDCDNPCENGGICLPGLAVGSFSCPCDGTDPNCS 60
DB 1 MKRLVAWLLVLSLGVQPGFGKIDCDNPCENGGICLPGLAVGSFSCPCDGTDPNCS 60
QY 61 SVVEVASDEEPTSAAGCTPNCHNGTCEISEAYRGDTFIVGVCKPCRGFNGIHCQNI 120
DB 61 SVVEVASDEEPTSAAGCTPNCHNGTCEISEAYRGDTFIVGVCKPCRGFNGIHCQNI 120
QY 121 NECEVEPCNNGGICTDLVANYSCPCGPFMGRNCQKCSGPLGIEGGIISNQITASSSTH 180
DB 121 NECEAEPCNNGGICTDLVANYSCPCGPFMGRNCQKCSGPLGIEGGIISNQITASSSTH 180
QY 181 RALFGLQKWPYYARLNKKGILINAWTAANDRNWRIQNL 221
DB 181 RALFGLQKWPYYARLNKKGILINAWTAANDRNW-PWIOVTV 220

RESULT 9
US-08-659-235C-29
; Sequence 29, Application US/08659235C
; Patent No. 5877281
; GENERAL INFORMATION:
; APPLICANT: Quentemus, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas

ug-09-237-981e-30.ra1

Wed Mar 30 17:27:08 2005

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CITY: New York
STATE: New York
COUNTRY: United States
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/08/659,235C
APPLICATION NUMBER: 28,462
REGISTRATION NUMBER: 8907-0034-999
REFERENCE/DOCKET NUMBER:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 Pennie
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 Pennie
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 221 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-659-235C-29

Query Match 42.7%; Score 1132.5; DB 2; Length 221;
Best Local Similarity 90.0%; Pred. No. 1.7e-85;
Matches 199; Conservative 6; Mismatches 15; Indels 1; Gaps 1;

Qy 1 MKRSVAVMLLVGLSLGVFPQFGKGDICDNPENCNGGICLPGLAVGSFCECPDGTDPNCS 60
Db 1 MKHLVAALLVGLSLGVFPQFGKGDICNPNENCNGGICLSGLADDSFCECPGAGNCS 60

Qy 61 SVVEVASDEEPTSGPCTPNPCHNGGTCSEAYRGDTFTGYVCKCPRGNGHCOHNI 120
Db 61 SVVEVASDEEPTSGPCTPNPCHNGGTCSEAYRGDTFTGYVCKCPRGNGHCOHNI 120

Qy 121 NECEVEPCNKGICITDLVANSCECPGFBMGRCNQKSGPLGIEGGIISNQQTASSTH 180
Db 121 NECEAEPCNKGICITDLVANSCECPGFBMGRCNQKSGHLGIEGGIISNQQTASSNH 180

Qy 181 RALFGLQKWYPYIARLNKGLINATAENDRWNRWQINL 221
Db 181 RALFGLQKWYPYIARLNKGLINATAENDRW-PWIQTV 220

RESULT 10
US-08-162-402B-9
; Sequence 9, Application US/08162402B
; Patent No. 5972337
; GENERAL INFORMATION:
; APPLICANT: CERIANI, ROBERTO L.
; APPLICANT: PETERSON, JERRY A.
; APPLICANT: LAROCCA, DAVID J.
; TITLE OF INVENTION: 46 KDALTON HUMAN MILK FAT
; GLOBULE (HMF) ANTIGEN, FRAGMENTS & FUSION PROTEIN
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; STREET: 444 South Flower St., 19th Floor
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible

CITY: New York
STATE: New York
COUNTRY: United States
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/08/659,235C
APPLICATION NUMBER: 28,462
REGISTRATION NUMBER: 8907-0034-999
REFERENCE/DOCKET NUMBER:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 Pennie
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 Pennie
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 221 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-659-235C-29

Query Match 42.7%; Score 1132.5; DB 2; Length 221;
Best Local Similarity 90.0%; Pred. No. 1.7e-85;
Matches 199; Conservative 6; Mismatches 15; Indels 1; Gaps 1;

Qy 1 MKRSVAVMLLVGLSLGVFPQFGKGDICDNPENCNGGICLPGLAVGSFCECPDGTDPNCS 60
Db 1 MKHLVAALLVGLSLGVFPQFGKGDICNPNENCNGGICLSGLADDSFCECPGAGNCS 60

Qy 61 SVVEVASDEEPTSGPCTPNPCHNGGTCSEAYRGDTFTGYVCKCPRGNGHCOHNI 120
Db 61 SVVEVASDEEPTSGPCTPNPCHNGGTCSEAYRGDTFTGYVCKCPRGNGHCOHNI 120

Qy 121 NECEVEPCNKGICITDLVANSCECPGFBMGRCNQKSGPLGIEGGIISNQQTASSTH 180
Db 121 NECEAEPCNKGICITDLVANSCECPGFBMGRCNQKSGHLGIEGGIISNQQTASSNH 180

Qy 181 RALFGLQKWYPYIARLNKGLINATAENDRWNRWQINL 221
Db 181 RALFGLQKWYPYIARLNKGLINATAENDRW-PWIQTV 220

RESULT 10
US-08-162-402B-9
; Sequence 9, Application US/08162402B
; Patent No. 5972337
; GENERAL INFORMATION:
; APPLICANT: CERIANI, ROBERTO L.
; APPLICANT: PETERSON, JERRY A.
; APPLICANT: LAROCCA, DAVID J.
; TITLE OF INVENTION: 46 KDALTON HUMAN MILK FAT
; GLOBULE (HMF) ANTIGEN, FRAGMENTS & FUSION PROTEIN
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; STREET: 444 South Flower St., 19th Floor
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible

CITY: New York
STATE: New York
COUNTRY: United States
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/08/659,235C
APPLICATION NUMBER: 28,462
REGISTRATION NUMBER: 8907-0034-999
REFERENCE/DOCKET NUMBER:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 Pennie
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 Pennie
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 221 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-659-235C-29

Query Match 42.7%; Score 1132.5; DB 2; Length 221;
Best Local Similarity 90.0%; Pred. No. 1.7e-85;
Matches 199; Conservative 6; Mismatches 15; Indels 1; Gaps 1;

Qy 1 MKRSVAVMLLVGLSLGVFPQFGKGDICDNPENCNGGICLPGLAVGSFCECPDGTDPNCS 60
Db 1 MKHLVAALLVGLSLGVFPQFGKGDICNPNENCNGGICLSGLADDSFCECPGAGNCS 60

Qy 61 SVVEVASDEEPTSGPCTPNPCHNGGTCSEAYRGDTFTGYVCKCPRGNGHCOHNI 120
Db 61 SVVEVASDEEPTSGPCTPNPCHNGGTCSEAYRGDTFTGYVCKCPRGNGHCOHNI 120

Qy 121 NECEVEPCNKGICITDLVANSCECPGFBMGRCNQKSGPLGIEGGIISNQQTASSTH 180
Db 121 NECEAEPCNKGICITDLVANSCECPGFBMGRCNQKSGHLGIEGGIISNQQTASSNH 180

Qy 181 RALFGLQKWYPYIARLNKGLINATAENDRWNRWQINL 221
Db 181 RALFGLQKWYPYIARLNKGLINATAENDRW-PWIQTV 220

RESULT 10
US-08-162-402B-9
; Sequence 9, Application US/08162402B
; Patent No. 5972337
; GENERAL INFORMATION:
; APPLICANT: CERIANI, ROBERTO L.
; APPLICANT: PETERSON, JERRY A.
; APPLICANT: LAROCCA, DAVID J.
; TITLE OF INVENTION: 46 KDALTON HUMAN MILK FAT
; GLOBULE (HMF) ANTIGEN, FRAGMENTS & FUSION PROTEIN
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; STREET: 444 South Flower St., 19th Floor
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible

CITY: New York
STATE: New York
COUNTRY: United States
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/08/659,235C
APPLICATION NUMBER: 28,462
REGISTRATION NUMBER: 8907-0034-999
REFERENCE/DOCKET NUMBER:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 Pennie
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 Pennie
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 221 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-659-235C-29

Query Match 42.7%; Score 1132.5; DB 2; Length 221;
Best Local Similarity 90.0%; Pred. No. 1.7e-85;
Matches 199; Conservative 6; Mismatches 15; Indels 1; Gaps 1;

Qy 1 MKRSVAVMLLVGLSLGVFPQFGKGDICDNPENCNGGICLPGLAVGSFCECPDGTDPNCS 60
Db 1 MKHLVAALLVGLSLGVFPQFGKGDICNPNENCNGGICLSGLADDSFCECPGAGNCS 60

Qy 61 SVVEVASDEEPTSGPCTPNPCHNGGTCSEAYRGDTFTGYVCKCPRGNGHCOHNI 120
Db 61 SVVEVASDEEPTSGPCTPNPCHNGGTCSEAYRGDTFTGYVCKCPRGNGHCOHNI 120

Qy 121 NECEVEPCNKGICITDLVANSCECPGFBMGRCNQKSGPLGIEGGIISNQQTASSTH 180
Db 121 NECEAEPCNKGICITDLVANSCECPGFBMGRCNQKSGHLGIEGGIISNQQTASSNH 180

Qy 181 RALFGLQKWYPYIARLNKGLINATAENDRWNRWQINL 221
Db 181 RALFGLQKWYPYIARLNKGLINATAENDRW-PWIQTV 220

RESULT 10
US-08-162-402B-9
; Sequence 9, Application US/08162402B
; Patent No. 5972337
; GENERAL INFORMATION:
; APPLICANT: CERIANI, ROBERTO L.
; APPLICANT: PETERSON, JERRY A.
; APPLICANT: LAROCCA, DAVID J.
; TITLE OF INVENTION: 46 KDALTON HUMAN MILK FAT
; GLOBULE (HMF) ANTIGEN, FRAGMENTS & FUSION PROTEIN
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; STREET: 444 South Flower St., 19th Floor
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible

CITY: New York
STATE: New York
COUNTRY: United States
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/08/659,235C
APPLICATION NUMBER: 28,462
REGISTRATION NUMBER: 8907-0034-999
REFERENCE/DOCKET NUMBER:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 Pennie
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER:
TELEPHONE: (212) 790-9090
TELEFAX: (2
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 26, 2005, 08:04:50 ; Search time 63.6342 Seconds
(without alignments)
2502.733 Million cell updates/sec

Title: US-09-237-981E-30
Perfect score: 2655
Sequence: 1 MKRSVAVLLVGLSLGVPQF.....WSWYGRITLASELLGCTEE 481

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1407402 segs, 331100923 residues

Total number of hits satisfying chosen parameters: 1407402

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA.*
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2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/PCUS_PUBCOMB.pep.*
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18: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
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20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
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| 1 | 2603.5 | 98.1 | 480 | 14 | US-10-177-293-122 |
| 2 | 1104.5 | 41.6 | 434 | 16 | US-10-485-360-10 |
| 3 | 1002.5 | 37.8 | 395 | 16 | US-10-485-360-7 |
| 4 | 1002.5 | 37.8 | 612 | 16 | US-10-485-360-30 |
| 5 | 999.5 | 37.6 | 379 | 15 | US-10-108-260A-3405 |
| 6 | 998.5 | 37.6 | 387 | 14 | US-10-190-593-4 |
| 7 | 937 | 35.3 | 498 | 16 | US-10-485-360-27 |
| 8 | 898.5 | 33.8 | 480 | 16 | US-10-485-360-26 |
| 9 | 886 | 33.4 | 343 | 14 | US-10-190-593-2 |
| 10 | 826.5 | 31.1 | 343 | 16 | US-10-485-360-8 |
| 11 | 821.5 | 30.9 | 335 | 16 | US-10-408-765A-1474 |
| 12 | 655 | 24.7 | 2319 | 14 | US-10-187-319-6 |
| 13 | 655 | 24.7 | 2319 | 14 | US-10-131-510A-6 |

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|----|-------|------|------|----|--------------------|
| 14 | 647.5 | 24.4 | 2196 | 15 | US-10-360-101-259 |
| 15 | 647.5 | 24.4 | 2224 | 14 | US-10-115-563-14 |
| 16 | 647.5 | 24.4 | 2224 | 14 | US-10-172-712-31 |
| 17 | 642.5 | 24.2 | 2224 | 16 | US-10-741-601-542 |
| 18 | 642.5 | 24.2 | 2224 | 17 | US-10-741-600-1561 |
| 19 | 634 | 23.9 | 1459 | 15 | US-10-239-498A-4 |
| 20 | 633 | 23.8 | 1459 | 15 | US-10-239-498A-15 |
| 21 | 630 | 23.7 | 1438 | 13 | US-10-006-091-1 |
| 22 | 630 | 23.7 | 1438 | 13 | US-10-047-257-1 |
| 23 | 630 | 23.7 | 1438 | 14 | US-10-225-900-1 |
| 24 | 630 | 23.7 | 1459 | 15 | US-10-239-498A-13 |
| 25 | 630 | 23.7 | 1471 | 13 | US-10-095-718-2 |
| 26 | 630 | 23.7 | 1471 | 15 | US-10-681-970-2 |
| 27 | 630 | 23.7 | 2332 | 9 | US-09-957-641-2 |
| 28 | 630 | 23.7 | 2332 | 14 | US-10-187-319-2 |
| 29 | 630 | 23.7 | 2332 | 14 | US-10-131-510A-2 |
| 30 | 630 | 23.7 | 2332 | 15 | US-10-445-235-2 |
| 31 | 630 | 23.7 | 2332 | 15 | US-10-360-101-229 |
| 32 | 630 | 23.7 | 2332 | 15 | US-10-239-498A-2 |
| 33 | 630 | 23.7 | 2332 | 16 | US-10-466-998A-1 |
| 34 | 630 | 23.7 | 2332 | 16 | US-10-721-997A-34 |
| 35 | 630 | 23.7 | 2351 | 14 | US-10-132-829-4 |
| 36 | 630 | 23.7 | 2351 | 14 | US-10-172-712-27 |
| 37 | 630 | 23.7 | 2351 | 14 | US-10-133-907-4 |
| 38 | 630 | 23.7 | 2351 | 15 | US-10-411-037-30 |
| 39 | 630 | 23.7 | 2351 | 15 | US-10-411-026-30 |
| 40 | 630 | 23.7 | 2351 | 15 | US-10-410-962-30 |
| 41 | 630 | 23.7 | 2351 | 15 | US-10-411-049-30 |
| 42 | 630 | 23.7 | 2351 | 16 | US-10-410-930-30 |
| 43 | 630 | 23.7 | 2351 | 16 | US-10-410-997-30 |
| 44 | 630 | 23.7 | 2351 | 16 | US-10-411-012-30 |
| 45 | 630 | 23.7 | 2351 | 16 | US-10-287-994-30 |

ALIGNMENTS

RESULT 1

US-10-177-293-122
; Sequence 122, Application US/10177293
; Publication No. US20030124128A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarpu, Manjula
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Bast Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; FILE REFERENCE: MRI-038
; TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25

Wed Mar 30 17:27:08 2005

PRIOR APPLICATION NUMBER: US 60/362,585
PRIOR FILING DATE: 2002-03-05
PRIOR APPLICATION NUMBER: US 60/xxx,xxx
PRIOR FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 506
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 122
LENGTH: 480
TYPE: PRT
ORGANISM: Homo sapiens
US-10-177-293-122

Query Match 98.1%; Score 2603.5; DB 14; Length 480;
Best Local Similarity 98.1%; Pred. No. 1.8e-224;
Matches 472; Conservative 0; Mismatches 8; Indels 1; Gaps 1;
QY 1 MKRSVAVLLVGLSLGVPQFGKGDICDPNCPENGGICLPLGLAVGFSCECPDGFDPNCS 60
DB 1 MKRSVAVLLVGLSLGVPQFGKGDICDPNCPENGGICLPLGLADGFSCECPDGFDPNCS 60
QY 61 SVVEVASDEEPTAGPCTPNPCHNGTCEISEAYRGDTFYGVCCKPRGFGNHCQNI 120
DB 61 SVVEVASDEEPTAGPCTPNPCHNGTCEISEAYRGDTFYGVCCKPRGFGNHCQNI 120
QY 121 NECEVEPKNGGICTDLVANYSCPCGPFMGRNCQKCSGPLGIEGGIISNOQITASSSTH 180
DB 121 NECEVEPKNGGICTDLVANYSCPCGPFMGRNCQKCSGPLGIEGGIISNOQITASSSTH 180
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DB 181 RALFGLQKWPYYARLNKGLINAWTAANDRNWMIQINLQKRVTVITOGAKRIGS 240
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DB 301 VCRHCTLRMELLCGELSGSEPLGMSGHIQDYQITASSIFRTLMNDMFTWEPKARLD 360
QY 361 KQKVNATSGHNDQSLQVLKLVPTKVTGIITQGAQKXGHVQFVGSYKLAYSDNGEHW 420
DB 360 KQKVNATSGHNDQSLQVLKLVPTKVTGIITQGAQKXGHVQFVGSYKLAYSDNGEHW 420
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RESULT 2
US-10-485-360-10
Sequence 10, Application US/10485360
Publication No. US20040197314A1
GENERAL INFORMATION:
APPLICANT: Delcayre, Alain
TITLE OF INVENTION: Methods and Compounds for the Targeting of Protein to Exosomes
FILE REFERENCE: B0094W0
CURRENT APPLICATION NUMBER: US/10/485,360
CURRENT FILING DATE: 2004-01-30
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.1
SEQ ID NO 10
LENGTH: 434
TYPE: PRT
ORGANISM: Mus sp.
US-10-485-360-10
Query Match 41.6%; Score 1104.5; DB 16; Length 434;

Best Local Similarity 46.4%; Pred. No. 3.3e-90;
Matches 212; Conservative 66; Mismatches 124; Indels 55; Gaps 7;
QY 23 GDICDPNCPENGGICLPLGLAVGFSCECPDGFDPNCSVVVEVASDEEPTAGPCTPNP 82
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QY 83 CHNGGTCEIS-EAYRGDTFYGVCCKPRGFGNHCQNIHNECEVEPCNGGICTDLVANY 141
DB 73 CYNDKACLVLDTORGDIPTFYICQCPVGSIGHCETG----- 110
QY 142 SCECPGPFMGRNCQKCSGPLGIEGGIISNOQITASSSTHRLALFGLQKWPYYARLNKGL 201
DB 111 -----CSTQLGMEGGAIDASQISASVYVMGFMGLQKRWGPELARLYRTGI 154
QY 202 INAWTAANDRNWMIQINLQKRVTVITOGAKRIGSPYIKFYKIAYSDNKTWAMY 261
DB 155 VNAWHSNYDS-KPWIQVNLRLKRVSGVMTQGGASRAGRAYLTKTFKVAISLDGRKEFFI 213
QY 262 KVGKTNEDMVFRGNDNNTPYANSTFTPIKAQYVRLYPQVCRHCTLRMELLCGELSGCS 321
DB 214 QDE-SGGKEFLGNDNLSLKNMNFNTLEAQYIRLYPVSVCHRGCTLRFELLGCELHGCL 272
QY 322 EPLGKMSGHIQDYQITASSIFRTLMNDMFTWEPKARLDKQKVNATSGHNDQSLQV 381
DB 273 EPLGLKNWTIPDSQMSASSSYKTWNLRAFGWYPHLGRLDNQKINAWTAQNSAKELQV 332
QY 382 XLLVPTKVTGIITQGAQKXGHVQFVGSYKLAYSDNGEHWTVXQDEKQKDKVXQGNFND 441
DB 333 DLGTQRTQGTITQGAQKXGHVQFVGSYKLAYSDNGEHWTVXQDEKQKDKVXQGNFND 390
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DB 391 SHKKNIPKPFMARVYRVLPVSWHNRITLRELLGCT 427

RESULT 3
US-10-485-360-7
Sequence 7, Application US/10485360
Publication No. US20040197314A1
GENERAL INFORMATION:
APPLICANT: Delcayre, Alain
TITLE OF INVENTION: Methods and Compounds for the Targeting of Protein to Exosomes
FILE REFERENCE: B0094W0
CURRENT APPLICATION NUMBER: US/10/485,360
CURRENT FILING DATE: 2004-01-30
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.1
SEQ ID NO 7
LENGTH: 395
TYPE: PRT
ORGANISM: Homo sapiens
US-10-485-360-7
Query Match 37.8%; Score 1002.5; DB 16; Length 395;
Best Local Similarity 48.1%; Pred. No. 4.1e-81;
Matches 194; Conservative 55; Mismatches 111; Indels 43; Gaps 5;
QY 78 CTNPNCHNGTGC-EISEAVRGDTFYGVCCKPRGFGNHCQNIHNECEVEPCNGGICTD 136
DB 27 CSKNPCHNGLCBEISQFVRGDFVPSYTCYTLKGVAGNH----- 65
QY 137 LVANYSCPCGPFMGRNCQKCSGPLGIEGGIISNOQITASSSTHRLALFGLQKWPYYARL 196
DB 66 -----CETKCEPLGMENGNANSQIAASSVRVTFGLQHWVPELARL 108
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RESULT 7
US-10-485-360-27
; Sequence 27, Application US/10485360
; Publication No. US20040197314A1
; GENERAL INFORMATION:
; APPLICANT: Delcayre, Alain
; TITLE OF INVENTION: Methods and Compounds for the Targeting of Protein to Exosomes
; FILE REFERENCE: B0094W0
; CURRENT APPLICATION NUMBER: US/10/485,360
; CURRENT FILING DATE: 2004-01-30
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27
; LENGTH: 498
; TYPE: PRT
; ORGANISM: Artificial Sequence
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Human IL2-human Lactadherin C1/c2 domain chimeric protein
US-10-485-360-27

Query Match 35.3%; Score 937; DB 16; Length 498;
Best Local Similarity 51.3%; Pred. No. 4.1e-75;
Matches 178; Conservative 56; Mismatches 109; Indels 4; Gaps 3;
Qy 133 ICTDLVANSCECPGFMGRNCOYKSGPLGIEGGIISNOQITASSSTRHALFGLQKWYPY 192
Db 148 IISTLTPSYTCTCLKGAGHCEYKCVPEPLGWENGIANSQIAASSVRVTFGLQHWPE 207
Qy 193 YARLNKGLINAWTAENDRNWRIQINLQRMVTVGVITOGAKRIGSPYIKFYKIAYS 252
Db 208 LARLNRAQVNAWTPSSNDD-NPWTQVLLRRMWTGVVITOGASRLASHEYLKAFKVAIS 266
Qy 253 NDGKTW-AMVKVGTNEDMVRGNDNTPYANSFPPPIKAQVRLYPOVCRHCTRLME 311
Db 267 LNHGHEFDFIHVNKKHKEFV--GNWKNKAVHNLFTPEVAQYVRLYPTSTCHTACTLRF 324
Qy 312 LIGCELSGSEPLGKSGHIQDQITASSIFRTLNDMFTWEPKARLDKQGVNAWTS 371
Db 325 LIGCELCANPLGLKNNSPDKQITASSYKWTGLHLSFNNPYSARLDKQGNFNAWAG 384
Qy 372 HNDQSQWLQVLLVPTKVITGIIITOGAKDXGHVQVSGYKLAYNSDGEHWTVXQDEKQK 431
Db 385 SYGNDQWLQVDLGSSEKVTGIIITOGARNFSGVQFVASYKVAYNSDANWTEYQDPRGTSG 444

Qy 432 KYXQGNFNDTHRNKVIDPPIYARHILPWSWYGRITLASELLGCT 478
Db 445 KIPFENWDNHSKKNLFTETPILARYVRLPVMHNRALRELLELGC 491
RESULT 8
US-10-485-360-26
; Sequence 26, Application US/10485360
; Publication No. US20040197314A1
; GENERAL INFORMATION:
; APPLICANT: Delcayre, Alain
; TITLE OF INVENTION: Methods and Compounds for the Targeting of Protein to Exosomes
; FILE REFERENCE: B0094W0
; CURRENT APPLICATION NUMBER: US/10/485,360
; CURRENT FILING DATE: 2004-01-30
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
; LENGTH: 480
; TYPE: PRT
; ORGANISM: Artificial Sequence
; NAME/KEY: MISC FEATURE
; OTHER INFORMATION: Human IL2-human Lactadherin C1/c2 domain chimeric protein
US-10-485-360-26

Query Match 33.8%; Score 898.5; DB 16; Length 480;
Best Local Similarity 48.5%; Pred. No. 1.1e-71;
Matches 181; Conservative 54; Mismatches 105; Indels 33; Gaps 7;
Qy 136 DLVAN-----YSCECPG-----EFMGR---NCQ-----YKCSGPLGIEG 166
Db 104 DLISINIVILELKGSETTFWCEYADETATVEFLNRWITFCQSIISTLTCKVEPLGMEN 163
Qy 167 GIISNOQITASSSTRHALFGLQKWYPYARLNKGLINAWTAENDRNWRIQINLQKWR 226
Db 164 GNIAISQAASSVRVTFGLQHWVPELARLNRAQVNAWTPSSNDD-NPWTQVLLRRMW 222
Qy 227 VTGVITOGAKRIGSPYIKFYKIAYSNDGKTW-AMVKVGTNEDMVRGNDNTPYANS 285
Db 223 VTGVITOGASRLASHEYLKAFKVAISLNGHEPFDIHDVNKKHKEFV--GNWKNKAVHNL 280
Qy 286 FTPIPKAQVRLYPOVCRHCTRLMELLCGSEPLGKSGSEPLGKSGHIQDQITASSIFRTL 345
Db 281 FETPVEAQVRLYPTSTCHTACTLRFELLCGELNGCANPLGLKNNSPDKQITASSYKTM 340
Qy 346 NMDMFTWEPKARLDKQGVNAWTSCHNDQSQWLQVLLVPTKVITGIIITOGAKDXGHVQF 405
Db 341 GLHLFSWNPYSARLDKQGNFNAWAGSYGNDQWLQVDLGSSEKVTGIIITOGARNFSGVQF 400
Qy 406 VGSYKLAYSNDGEHWTVXQDEKQKDXQGNFNDTHRNKVIDPPIYARHILPWSWY 465
Db 401 VASYKVAYNSDANWTEYQDPRGTSGKIPFGNWDNHSKKNLFTETPILARYVRLPVMH 460
Qy 466 GRITLASELLGCT 478
Db 461 NRALRELLELGC 473

RESULT 9
US-10-190-593-2
; Sequence 2, Application US/10190593
; Publication No. US2003002221A1
; GENERAL INFORMATION:
; APPLICANT: LANGIT, Emanuel et al.
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL001246
; CURRENT APPLICATION NUMBER: US/10/190,593
; CURRENT FILING DATE: 2002-07-09


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; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Human
US-10-190-593-2

Query Match
Best Local Similarity 33.4%; Score 886; DB 14; Length 343;
Matches 169; Conservative 51; Mismatches 98; Indels 4; Gaps 3;

QY 157 KCSGPIGIEGIIISNOQITASSITRFLGLQKWPYYARLNKKGLINAWTAANDRWNRW 216
DB 25 ECVEPLGLENGNIANSQIAASSVRVTFGLQHWVPELARLRAGMNAVTFSSNDD-NPW 83
QY 217 IQNLQRKMTVGTITGAKRIGSPYIKFYKLYAYSNDGKTW-AMYKVKGTNEDMVRGN 275
DB 84 IQVLLRRMWTGVVITQASRLASHEYLKAFKAYSLSNGHEFFIHDVNVKKHKEFV--GN 141
QY 276 IDNNTPYANSFTPPPIKAQYVRLYPQVCRHCTLRMELLCGSCSEPLGKMSGHIQDYQ 335
DB 142 WKNNAHVNLFFETPVEAQYVRLYPTSCHTACTLRFFELLCGELNGCANPLGLKNSIPDKQ 201
QY 336 ITASSIFRTLNDMFTWEPKARLDKQGNWNTSGHNDOSQMLQVXLLVPTKVTGIITQ 395
DB 202 ITASSSYKTWGLHLSFNWPSYARLDKQGNFNAWVAGSYGNDQMLQVLDLGSKEVTGIITQ 261
QY 396 GAXDXGHVQVFGSYKLAYSNDGHEWTVXQDEKQKXOGNFDNDTHRNKVIDPPIYAR 455
DB 262 GARNFGSVQVASKVAYSNDNSANWTEYQDPTGSSKIFPGNWDNHSKKNLPETPILAR 321
QY 456 HIRLPSWYGRITLASELLGC 477
DB 322 YVRLPVAWHNRALRLLELLGC 343

RESULT 10
US-10-485-360-8
; Sequence 8, Application US/10485360
; Publication No. US20040197314A1
; GENERAL INFORMATION:
; APPLICANT: Le Pecq, Jean-Bernard
; TITLE OF INVENTION: Methods and Compounds for the Targeting of Protein to Exosomes
; FILE REFERENCE: B0094W0
; CURRENT APPLICATION NUMBER: US/10/485,360
; CURRENT FILING DATE: 2004-01-30
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-485-360-8

Query Match
Best Local Similarity 31.1%; Score 826.5; DB 16; Length 343;
Matches 165; Conservative 49; Mismatches 94; Indels 95; Gaps 6;

QY 78 CTNPCHNGGTC-EISEAVRGDTFYGVCVCKPRGFNGIHQHNINECEVEPCKNGGICTD 136
DB 27 CSKNPCHNGGLCEISQEVGRGVFPSTCTCLKGAGNH----- 65
QY 137 LVANYSCECPGPFWRNRCQVKGSGPLGIEGIIISNOQITASSITRFLGLQKWPYYARL 196
DB 66 -----CETKCVPLGMENGNANSQIAASSVRVTFGLQHWVPELARL 108
QY 197 NKKGLINAWTAANDRWNRWIQNLQRKMTVGTITGAKRIGSPYIKFYKLYAYSNDGK 256
DB 109 NRAGMNAVTFSSNDD-NPWIQVNLRRMWTGVVITQASRLASHEYLKAFKAYSLSNGH 167
QY 257 TW-AMYKVKGTNEDMVRGNIDNNTPYANSFTPPPIKAQYVRLYPQVCRHCTLRMELLC 315
DB 168 EFDIFHDVNVKKHKEFV--GNWKNNAHVNLFFETPVEAQYVRLYPTSCHTACTLRFFELLC 225
QY 316 ELSCGSEPLGKMSGHIQDYQITASSIFRTLNDMFTWEPKARLDKQGNWNTSGHNDQ 375
DB 226 ELNGCANPLGLKNSIPDKQITASSSYKTWGLHLSFNWPSYARLDKQGNFNAWVAGSYG 285
QY 376 SQWLQVXLLVPTKVTGIITQAKDXGHVQVFGSYKLAYSNDGHEWTVXQDEKQKXVQ 435
DB 286 DQWLQ-----IFP 293
QY 436 GNFDNDTHRNKVIDPPIYARHILPWSWYGRITLASELLGC 477
DB 294 GNWDNHSKKNLPETPILARYVRLPVAWHNRALRLLELLGC 335

Query Match
Best Local Similarity 30.9%; Score 821.5; DB 16; Length 335;
Matches 164; Conservative 49; Mismatches 94; Indels 95; Gaps 6;

QY 78 CTNPCHNGGTC-EISEAVRGDTFYGVCVCKPRGFNGIHQHNINECEVEPCKNGGICTD 136
DB 27 CSKNPCHNGGLCEISQEVGRGVFPSTCTCLKGAGNH----- 65
QY 137 LVANYSCECPGPFWRNRCQVKGSGPLGIEGIIISNOQITASSITRFLGLQKWPYYARL 196
DB 66 -----CETKCVPLGMENGNANSQIAASSVRVTFGLQHWVPELARL 108
QY 197 NKKGLINAWTAANDRWNRWIQNLQRKMTVGTITGAKRIGSPYIKFYKLYAYSNDGK 256
DB 109 NRAGMNAVTFSSNDD-NPWIQVNLRRMWTGVVITQASRLASHEYLKAFKAYSLSNGH 167
QY 257 TW-AMYKVKGTNEDMVRGNIDNNTPYANSFTPPPIKAQYVRLYPQVCRHCTLRMELLC 315
DB 168 EFDIFHDVNVKKHKEFV--GNWKNNAHVNLFFETPVEAQYVRLYPTSCHTACTLRFFELLC 225
QY 316 ELSCGSEPLGKMSGHIQDYQITASSIFRTLNDMFTWEPKARLDKQGNWNTSGHNDQ 375
DB 226 ELNGCANPLGLKNSIPDKQITASSSYKTWGLHLSFNWPSYARLDKQGNFNAWVAGSYG 285
QY 376 SQWLQVXLLVPTKVTGIITQAKDXGHVQVFGSYKLAYSNDGHEWTVXQDEKQKXVQ 435
DB 286 DQWLQ-----IFP 293
QY 436 GNFDNDTHRNKVIDPPIYARHILPWSWYGRITLASELLGC 477
DB 294 GNWDNHSKKNLPETPILARYVRLPVAWHNRALRLLELLGC 335
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RESULT 12
US-10-187-319-6
/ GENERAL INFORMATION:
/ APPLICANT: Lollar, John S.
/ TITLE OF INVENTION: Hybrid Human/Animal Factor VIII
/ NUMBER OF SEQUENCES: 40
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Greenlee, Winner and Sullivan, P.C.
/ STREET: 5370 Manhattan Circle Suite 201
/ CITY: Boulder
/ STATE: Colorado
/ COUNTRY: USA
/ ZIP: 80303
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/10/187,319
/ FILING DATE: 27-Aug-2002
/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 09/523,656
/ FILING DATE: 2000-03-10
/ APPLICATION NUMBER: US 09/037,601
/ FILING DATE: 1998-03-10
/ APPLICATION NUMBER: WO PCT/US97/11155
/ FILING DATE: 1997-06-26
/ APPLICATION NUMBER: US 08/670,707
/ FILING DATE: 1996-06-26
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Greenlee, Lorraine L.
/ REGISTRATION NUMBER: 27,894
/ REFERENCE/DOCKET NUMBER: 75-95K
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 303/499-8080
/ TELEFAX: 303/499-8089
/ TITLE: Sequence of the Murine Factor VIII cDNA
/ JOURNAL: Genomics
/ VOLUME: 16
/ PAGES: 374-379
/ DATE: 1993
/ RELEVANT RESIDUES IN SEQ ID NO: 6: FROM 1 TO 2319
/ SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-10-187-319-6

Query Match 24.7%; Score 655; DB 14; Length 2319;
Best Local Similarity 45.7%; Pred. No. 5.6e-49;
Matches 149; Conservative 40; Mismatches 121; Indels 16; Gaps 5;

Qy 157 KCSGPLGIEGIIISNQITASTTHRALFGIKQVPPYARLNKGLINAWTAAENDRWNRW 216
Db 2007 QCQIPLGWSGIRDFQITAGHY-----GQMAPNRLARLHYSGINAWSTKEP---FSW 2057
Qy 217 IQINLQRMRTVGVITOGAKRIGSPYIKFYKIAYSNDGKTWAMYKVGKTNEDMVFEQNI 276
Db 2058 IKVDLLAPMI VHGIKTQARQFSLSYISQFIIMYSLDGKKWJSYQNGNSTGTLNVFEGNV 2117
Qy 277 DNNTPYANSFPPPIKAQVRLYPOVCRRHCTLRMELLCGLSCGSEPLGKMSGHIQDYQI 336
Db 2118 DSSGIKHNSFNPPPIIARYIRLHPHTSSIRSTRLMELMGCDLNSCSIPLGWESKVISDTQI 2177
Qy 337 TASSIFRTLNMDMF-TWEPRKARLDKQGVNAWTSGHNDOSQWLQVLLVPTKVGTGIITQ 395
Db 2178 TASSVF----TNMFATWSPSQARLHLQRTNMRPQVNDPKQWLQVDLQKTMKVGTGIITQ 2233
Qy 396 GAKDXGHVQFVSGYKLAYSNDGEHWTVXQDEKQKDKVKYQGNFQNDTHRKNVIDPPIYAR 455
Db 2234 GVKSLFTSMFKVEKFLISSQDGHWT--QIIYNGKVKVFGQNGQSSTPMNSLDPLPLTR 2291
Qy 456 HIRILPWSYGRITLASLLOCTBEE 481

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; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 0207060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 259
; LENGTH: 2196
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: sequence of prothrombin
US-10-360-101-259

Query Match          24.4%; Score 647.5; DB 15; Length 2196;
Best Local Similarity 40.9%; Pred. No. 2.5e-48;
Matches 138; Conservative 54; Mismatches 130; Indels 15; Gaps 4;

QY 144 ECGPEFMGRNCQYKCSGPIEGGIIISNOQITASSTHRALFGLQKWPYPYARLNKKGLIN 203
Db 1869 QTFPLIMDRDCRM---PMGLSTGIISDSQIKASEP-----LGYWEPLRLARLNNGGSYN 1918

QY 204 AWTAA---AENDRNWRNIQNLQRMVTVITQGAKRIGSPYIKFYKAYSNDGKTWAM 260
Db 1919 ANSVKLAAEFASKPWIQVDMQKEVIITGIQTQGAHYLKSCYTTTFYVAYSSNQINWQI 1978

QY 261 YKVGKTNEDMVRFGNIDNNTPYANSFTPIKAQYVRLYPQVCRHCTLRMELGCELSCG 320
Db 1979 FKGNSRNVVMYFNGNSDASTIKENQDPPIVARIIRISPTRAYNRPTLRLELQGCSEVNGC 2038

QY 321 SEPLGKMSGHIODYQITASSIFRTLNDMFTWEPKARLDKQGVNAWTSGHNDQSQWLQ 380
Db 2039 STEPLGMENGIENKQITASSFKKSWMGDY--WEPPFARLNAQGRVNAQAKANNKQWLE 2096

QY 381 VLLVPTKVTGIITQGAHXGHVQFVGSYKLAISNDGEHWTVQDEKQKDKVXQGNFND 440
Db 2097 IDLLKIKKTAITITQCKSLSEMYVKSytiHYSEQGVKPYRLKSSMVDKIFEGNTNT 2156

QY 441 DTHRKNVIDPPIYARHILPWSWYGRITLASELLGC 477
Db 2157 KGHVKNFFNPPIISRFIRVIRPKTNQOSITLRLELFGC 2193

RESULT 15
US-10-115-563-14
; Sequence 14, Application US/10115563
; Publication No. US20030008307A1
; GENERAL INFORMATION:
; APPLICANT: Griffon, John H
; Greengard, Judith S
; TITLE OF INVENTION: METHODS FOR DIAGNOSING ACTIVATED PROTEIN
; C RESISTANCE ASSOCIATED WITH A FACTOR V GENETIC MUTATION
; AND COMPOSITIONS THEREOF
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: The Scripps Research Institute, Office of
; Patent Counsel
; STREET: 10666 No. US20030008307A1 Torrey Pines Road, TPC 8
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/115,563
; FILING DATE: 02-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:

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; APPLICATION NUMBER: US/08/410,488
; FILING DATE: 24-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitting, Thomas
; REGISTRATION NUMBER: 34,163
; REFERENCE/DOCKET NUMBER: 449.0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-554-2937
; TELEFAX: 619-554-6312
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2224 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-10-115-563-14

Query Match          24.4%; Score 647.5; DB 14; Length 2224;
Best Local Similarity 40.9%; Pred. No. 2.5e-48;
Matches 138; Conservative 54; Mismatches 130; Indels 15; Gaps 4;

QY 144 ECGPEFMGRNCQYKCSGPIEGGIIISNOQITASSTHRALFGLQKWPYPYARLNKKGLIN 203
Db 1897 QTFPLIMDRDCRM---PMGLSTGIISDSQIKASEP-----LGYWEPLRLARLNNGGSYN 1946

QY 204 AWTAA---AENDRNWRNIQNLQRMVTVITQGAKRIGSPYIKFYKAYSNDGKTWAM 260
Db 1947 ANSVKLAAEFASKPWIQVDMQKEVIITGIQTQGAHYLKSCYTTTFYVAYSSNQINWQI 2006

QY 261 YKVGKTNEDMVRFGNIDNNTPYANSFTPIKAQYVRLYPQVCRHCTLRMELGCELSCG 320
Db 2007 FKGNSRNVVMYFNGNSDASTIKENQDPPIVARIIRISPTRAYNRPTLRLELQGCSEVNGC 2066

QY 321 SEPLGKMSGHIODYQITASSIFRTLNDMFTWEPKARLDKQGVNAWTSGHNDQSQWLQ 380
Db 2067 STEPLGMENGIENKQITASSFKKSWMGDY--WEPPFARLNAQGRVNAQAKANNKQWLE 2124

QY 381 VLLVPTKVTGIITQGAHXGHVQFVGSYKLAISNDGEHWTVQDEKQKDKVXQGNFND 440
Db 2125 IDLLKIKKTAITITQCKSLSEMYVKSytiHYSEQGVKPYRLKSSMVDKIFEGNTNT 2184

QY 441 DTHRKNVIDPPIYARHILPWSWYGRITLASELLGC 477
Db 2185 KGHVKNFFNPPIISRFIRVIRPKTNQOSITLRLELFGC 2221

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 26, 2005, 07:56:55 ; Search time 5.77121 Seconds
(without alignments)
1332.278 Million cell updates/sec

Title: US-09-237-981E-31
Perfect score: 614
Sequence: 1 XDICDPNCPGNGGICLPLA.....COHNECEVEPCCKNGGICT 103

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/ptodata/1/iaa/5A COMB.pap.*
- 2: /cgn2_6/ptodata/1/iaa/5B COMB.pap.*
- 3: /cgn2_6/ptodata/1/iaa/6A COMB.pap.*
- 4: /cgn2_6/ptodata/1/iaa/6B COMB.pap.*
- 5: /cgn2_6/ptodata/1/iaa/PCTUS COMB.pap.*
- 6: /cgn2_6/ptodata/1/iaa/backfiles.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|---------------------|-------------------|
| 1 | 605 | 98.7 | 448 | US-09-949-016-10130 | Sequence 10130, A |
| 2 | 598 | 97.4 | 513 | US-08-480-229C-14 | Sequence 14, Appl |
| 3 | 598 | 97.4 | 513 | US-08-659-235C-14 | Sequence 14, Appl |
| 4 | 542 | 88.3 | 221 | US-08-480-229C-29 | Sequence 29, Appl |
| 5 | 542 | 88.3 | 221 | US-08-659-235C-29 | Sequence 29, Appl |
| 6 | 542 | 88.3 | 480 | US-08-480-229C-10 | Sequence 10, Appl |
| 7 | 542 | 88.3 | 480 | US-08-659-235C-10 | Sequence 10, Appl |
| 8 | 267.5 | 43.6 | 2523 | US-08-485-432-18 | Sequence 18, Appl |
| 9 | 267.5 | 43.6 | 2523 | US-08-899-232-3 | Sequence 3, Appl |
| 10 | 267.5 | 43.6 | 2523 | US-09-121-457-3 | Sequence 3, Appl |
| 11 | 264 | 43.0 | 43 | US-08-480-229C-24 | Sequence 24, Appl |
| 12 | 264 | 43.0 | 43 | US-08-659-235C-24 | Sequence 24, Appl |
| 13 | 262.5 | 42.8 | 2471 | US-08-185-432-16 | Sequence 16, Appl |
| 14 | 262.5 | 42.8 | 2471 | US-08-083-590A-19 | Sequence 19, Appl |
| 15 | 262.5 | 42.8 | 2471 | US-08-532-384-19 | Sequence 19, Appl |
| 16 | 262.5 | 42.8 | 2471 | US-08-899-232-1 | Sequence 1, Appl |
| 17 | 262.5 | 42.8 | 2471 | US-09-121-457-1 | Sequence 1, Appl |
| 18 | 246 | 40.1 | 2556 | US-08-083-590A-20 | Sequence 20, Appl |
| 19 | 246 | 40.1 | 2556 | US-08-532-384-20 | Sequence 20, Appl |
| 20 | 244 | 39.7 | 2556 | US-08-185-432-17 | Sequence 17, Appl |
| 21 | 244 | 39.7 | 2556 | US-08-899-232-2 | Sequence 2, Appl |
| 22 | 244 | 39.7 | 2556 | US-09-121-457-2 | Sequence 2, Appl |
| 23 | 242 | 39.4 | 2321 | US-09-230-652-2 | Sequence 2, Appl |
| 24 | 239.5 | 39.0 | 1404 | US-08-400-159-2 | Sequence 2, Appl |
| 25 | 239.5 | 39.0 | 1404 | US-08-611-729A-2 | Sequence 2, Appl |
| 26 | 239.5 | 39.0 | 1404 | US-09-195-524-2 | Sequence 2, Appl |
| 27 | 239 | 38.9 | 585 | US-09-641-612-5 | Sequence 5, Appl |

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|----|-------|------|------|---|-------------------|-------------------|
| 28 | 238.5 | 38.8 | 2703 | 1 | US-08-185-432-19 | Sequence 19, Appl |
| 29 | 238.5 | 38.8 | 2703 | 4 | US-08-899-232-4 | Sequence 4, Appl |
| 30 | 238.5 | 38.8 | 2703 | 4 | US-09-121-457-4 | Sequence 4, Appl |
| 31 | 237.5 | 38.7 | 3571 | 4 | US-09-911-842A-2 | Sequence 2, Appl |
| 32 | 233 | 37.9 | 642 | 3 | US-08-872-855-10 | Sequence 10, Appl |
| 33 | 232.5 | 37.9 | 3594 | 4 | US-09-911-842A-4 | Sequence 4, Appl |
| 34 | 231 | 37.6 | 520 | 3 | US-09-068-740A-3 | Sequence 3, Appl |
| 35 | 231 | 37.6 | 702 | 3 | US-09-068-740A-4 | Sequence 4, Appl |
| 36 | 231 | 37.6 | 723 | 3 | US-09-068-740A-9 | Sequence 9, Appl |
| 37 | 231 | 37.6 | 723 | 4 | US-09-423-753-27 | Sequence 27, Appl |
| 38 | 231 | 37.6 | 723 | 4 | US-09-641-612-6 | Sequence 6, Appl |
| 39 | 230.5 | 37.5 | 463 | 2 | US-08-162-402B-9 | Sequence 9, Appl |
| 40 | 229.5 | 37.4 | 1193 | 2 | US-08-400-159-10 | Sequence 10, Appl |
| 41 | 229.5 | 37.4 | 1193 | 3 | US-08-611-729A-10 | Sequence 10, Appl |
| 42 | 229.5 | 37.4 | 1193 | 4 | US-09-195-524-10 | Sequence 10, Appl |
| 43 | 229 | 37.3 | 717 | 3 | US-08-872-855-9 | Sequence 9, Appl |
| 44 | 228 | 37.1 | 583 | 4 | US-09-641-612-2 | Sequence 2, Appl |
| 45 | 228 | 37.1 | 830 | 3 | US-08-872-855-11 | Sequence 11, Appl |

ALIGNMENTS

RESULT 1
US-09-949-016-10130
; Sequence 10130, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 10130
; LENGTH: 448
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-10130

Query Match 98.7%; Score 606; DB 4; Length 448;
Best Local Similarity 99.0%; Pred. No. 6.2e-48;
Matches 101; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 DTCDPNCPGNGGICLPLAVGSFSCPCPDGFTDPNCSSVVEVCPCTPNPCHNGGTCEISE 61
DB 2 DTCDPNCPGNGGICLPLAVGSFSCPCPDGFTDPNCSSVVEVCPCTPNPCHNGGTCEISE 61

QY 62 AYRGDTFYGVCNCPRGFNGHCOHNECEVEPCCKNGGICT 103
DB 62 AYRGDTFYGVCNCPRGFNGHCOHNECEVEPCCKNGGICT 103

RESULT 2
US-08-480-229C-14
; Sequence 14, Application US/08480229C
; Patent No. 5874562
; GENERAL INFORMATION:
; APPLICANT: Quettermous, Thomas
; APPLICANT: Hogan, Brigid
; APPLICANT: Snodgrass, H. Ralph
; APPLICANT: Zupancic, Thomas J.
; TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
; TITLE OF INVENTION: CELL LOCUS-1
; NUMBER OF SEQUENCES: 29

us-09-237-981e-31.ra1

Wed Mar 30 17:27:08 2005

```

CORRESPONDENCE ADDRESS:
ADDRESSES: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: United States
ZIP: 10036-2711
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,229C
FILING DATE: 07-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0026-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 513 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-480-229C-14

Query Match 97.4%; Score 598; DB 2; Length 513;
Best Local Similarity 91.1%; Pred. No. 3.8e-47;
Matches 102; Conservative 0; Mismatches 0; Indels 10; Gaps 1;

QY 2 DICDPNCPENGICLPGLAVGSPSCPCPDGFTDPNCSSVVEV-----GPTNPNC 51
DB 56 DICDPNCPENGICLPGLAVGSPSCPCPDGFTDPNCSSVVEVADDEEPTSGPTNPNC 115
QY 52 HNGGTCISEAYRGDTFGYVCKPRGFNGHCOHNECEVEPCKNGGICT 103
DB 116 HNGGTCISEAYRGDTFGYVCKPRGFNGHCOHNECEVEPCKNGGICT 167

RESULT 3
US-08-659-235C-14
Sequence 14, Application US/08659235C
Patent No. 5877281
GENERAL INFORMATION:
APPLICANT: Quettermous, Thomas
APPLICANT: Hogan, Brigid
APPLICANT: Snodgrass, H. Ralph
APPLICANT: Zupancic, Thomas J.
TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
CELL LOCUS-1
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSES: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: United States
ZIP: 10036-2711
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/659,235C
FILING DATE: 05-JUN-1996

CORRESPONDENCE ADDRESS:
ADDRESSES: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: United States
ZIP: 10036-2711
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,229C
FILING DATE: 07-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0026-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 221 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-659-235C-14

Query Match 97.4%; Score 598; DB 2; Length 513;
Best Local Similarity 91.1%; Pred. No. 3.8e-47;
Matches 102; Conservative 0; Mismatches 0; Indels 10; Gaps 1;

QY 2 DICDPNCPENGICLPGLAVGSPSCPCPDGFTDPNCSSVVEV-----GPTNPNC 51
DB 56 DICDPNCPENGICLPGLAVGSPSCPCPDGFTDPNCSSVVEVADDEEPTSGPTNPNC 115
QY 52 HNGGTCISEAYRGDTFGYVCKPRGFNGHCOHNECEVEPCKNGGICT 103
DB 116 HNGGTCISEAYRGDTFGYVCKPRGFNGHCOHNECEVEPCKNGGICT 167

RESULT 4
US-08-480-229C-29
Sequence 29, Application US/08480229C
Patent No. 5874562
GENERAL INFORMATION:
APPLICANT: Quettermous, Thomas
APPLICANT: Hogan, Brigid
APPLICANT: Snodgrass, H. Ralph
APPLICANT: Zupancic, Thomas J.
TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
CELL LOCUS-1
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSES: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: United States
ZIP: 10036-2711
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,229C
FILING DATE: 07-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0026-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 221 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-480-229C-29

```



```

; ADDRESSES: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/659,235C
; FILING DATE: 05-JUN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-0034-999
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 Pennie
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 480 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-659-235C-10

Query Match 88.3%; Score 542; DB 2; Length 480;
Best Local Similarity 82.1%; Pred. No. 4.8e-42; Indels 10; Gaps 1;
Matches 92; Conservative 3; Mismatches 7;

QY 2 DICDNPCEGGICLPGLAVGFSCECPDGTDPNCGSSVVVEV-----GPTCTPNPC 51
DB 24 DINCNPCEGGICLSGLADDSFCECPGEGFAGNPGSSVVEVASDEEKPTSGFCIPNFC 83

QY 52 HNGTCEISAYRGDTFTIGYVCKPRGFNGIHQHNINECEVEPCNGGICT 103
DB 84 HNGTCEISAYRGDTFTIGYVCKPRGFNGIHQHNINECEAPPCRNNGGICT 135

RESULT 8
US-08-185-432-18
; Sequence 18, Application US/08185432
; Patent No. 5750652
; GENERAL INFORMATION:
; APPLICANT: Artavanis-Tsakonas, Spyridon
; APPLICANT: Busseau, Isabelle
; APPLICANT: Diederich, Robert J.
; APPLICANT: Xu, Tian
; APPLICANT: Matsuno, Kenji
; TITLE OF INVENTION: DELTAX PROTEINS, NUCLEIC ACIDS, AND
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/185,432
; FILING DATE: 21-JAN-1994
; CLASSIFICATION: 530

; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 7326-006
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2523 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-185-432-18

Query Match 43.6%; Score 267.5; DB 1; Length 2523;
Best Local Similarity 37.1%; Pred. No. 3.2e-16; Indels 35; Gaps 4;
Matches 49; Conservative 10; Mismatches 38;

QY 2 DICDNPCEGGICLPGLAVGFSCECPDGTDPNCGSSVVVEVGPCTPNPCHNGGT----- 56
DB 908 DDCQPNPCHNGGSCSDG--INMFFCNCPAGFRGPKEE--DINECASNPCKNGANCTDCV 963

QY 57 -----CEISEAYRGDTFTIG-----YVCKPRGFNGIHQHNINE 90
DB 964 NSYTCTCQPGFSGIHCSNTPDCTESSCFNGGTCIDGINTFTCCQPPGFTGSCYQHDINE 1023

QY 91 CEVEPCKNGGIC 102
DB 1024 CDSKPCLINGGTC 1035

RESULT 9
US-08-899-232-3
; Sequence 3, Application US/08899232
; Patent No. 6436650
; GENERAL INFORMATION:
; APPLICANT: Artavanis-Tsakonas, Spyridon
; APPLICANT: Oi, Huilin
; TITLE OF INVENTION: ACTIVATED FORMS OF NOTCH AND METHODS BASED THEREON
; FILE REFERENCE: 7326-046
; CURRENT APPLICATION NUMBER: US/08/899,232
; CURRENT FILING DATE: 1997-07-23
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 2523
; TYPE: PRT
; ORGANISM: Xenopus sp.
; US-08-899-232-3

Query Match 43.6%; Score 267.5; DB 4; Length 2523;
Best Local Similarity 37.1%; Pred. No. 3.2e-16; Indels 35; Gaps 4;
Matches 49; Conservative 10; Mismatches 38;

QY 2 DICDNPCEGGICLPGLAVGFSCECPDGTDPNCGSSVVVEVGPCTPNPCHNGGT----- 56
DB 908 DDCQPNPCHNGGSCSDG--INMFFCNCPAGFRGPKEE--DINECASNPCKNGANCTDCV 963

QY 57 -----CEISEAYRGDTFTIG-----YVCKPRGFNGIHQHNINE 90
DB 964 NSYTCTCQPGFSGIHCSNTPDCTESSCFNGGTCIDGINTFTCCQPPGFTGSCYQHDINE 1023

QY 91 CEVEPCKNGGIC 102
DB 1024 CDSKPCLINGGTC 1035

RESULT 10
US-09-121-457-3
; Sequence 3, Application US/09121457
; Patent No. 6692919
```


GENERAL INFORMATION:
APPLICANT: Artavanis-Tsakonas, S.
APPLICANT: Qi, H.
APPLICANT: Rand, M.
TITLE OF INVENTION: ACTIVATED FORMS OF NOTCH AND METHODS BASED THEREON
FILE REFERENCE: 7326-073
CURRENT APPLICATION NUMBER: US/09/121,457
CURRENT FILING DATE: 1998-07-23
EARLIER APPLICATION NUMBER: 08/899,232
EARLIER FILING DATE: 1997-07-23
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 2523
TYPE: PRT
ORGANISM: Xenopus sp.
US-09-121-457-3

Query Match 43.6%; Score 267.5; DB 4; Length 2523;
Best Local Similarity 37.1%; Pred. No. 3.2e-16;
Matches 49; Conservative 10; Mismatches 38; Indels 35; Gaps 4;

QY 2 DICDPNCPGNGGICLPLAVGSCRCPCDGTDPNCSSVVEGCPCTPNPCHNGGT----- 56
DB 908 DDCQPNPCHNGGSCSDG--INWFFCNCPCAGFRGPKCEB--DINECASNPKKNGANCTDCV 963

QY 57 -----CEISEAYRGDTFFIG-----YVCKCPRGFNGIHCOHNI 90
DB 964 NSVTCCTCQPFSGIHCHESNTPDCTESSCFNGGTCIDGINTFTCCQPPGTGSGYCOHDINE 1023

QY 91 CEVEPCNGGIC 102
DB 1024 CDSKPCLINGTC 1035

RESULT 11
US-08-480-229C-24
Sequence 24, Application US/08480229C
Patent No. 5874562
GENERAL INFORMATION:
APPLICANT: Quettermous, Thomas
APPLICANT: Hogan, Brigid
APPLICANT: Snodgrass, H. Ralph
APPLICANT: Zupancic, Thomas J.
TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: United States
ZIP: 10036-2711
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,229C
FILING DATE: 07-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0026-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 Pennie
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 43 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-08-480-229C-24

Query Match 43.6%; Score 267.5; DB 4; Length 2523;
Best Local Similarity 37.1%; Pred. No. 3.2e-16;
Matches 49; Conservative 10; Mismatches 38; Indels 35; Gaps 4;

QY 2 DICDPNCPGNGGICLPLAVGSCRCPCDGTDPNCSSVVEGCPCTPNPCHNGGT----- 56
DB 908 DDCQPNPCHNGGSCSDG--INWFFCNCPCAGFRGPKCEB--DINECASNPKKNGANCTDCV 963

QY 57 -----CEISEAYRGDTFFIG-----YVCKCPRGFNGIHCOHNI 90
DB 964 NSVTCCTCQPFSGIHCHESNTPDCTESSCFNGGTCIDGINTFTCCQPPGTGSGYCOHDINE 1023

QY 91 CEVEPCNGGIC 102
DB 1024 CDSKPCLINGTC 1035

LENGTH: 43 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-08-480-229C-24

Query Match 43.0%; Score 264; DB 2; Length 43;
Best Local Similarity 100.0%; Pred. No. 1.2e-17;
Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 46 CTPNCHNGGTCISEAYRGDTFFIGYVCKCPRGFNGIHCOHNI 88
DB 1 CTPNCHNGGTCISEAYRGDTFFIGYVCKCPRGFNGIHCOHNI 43

RESULT 12
US-08-659-235C-24
Sequence 24, Application US/08659235C
Patent No. 5877281
GENERAL INFORMATION:
APPLICANT: Quettermous, Thomas
APPLICANT: Hogan, Brigid
APPLICANT: Snodgrass, H. Ralph
APPLICANT: Zupancic, Thomas J.
TITLE OF INVENTION: DEVELOPMENTALLY-REGULATED ENDOTHELIAL
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: United States
ZIP: 10036-2711
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/659,235C
FILING DATE: 05-JUN-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Poissant, Brian M.
REGISTRATION NUMBER: 28,462
REFERENCE/DOCKET NUMBER: 8907-0034-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 Pennie
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 43 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-08-659-235C-24

Query Match 43.0%; Score 264; DB 2; Length 43;
Best Local Similarity 100.0%; Pred. No. 1.2e-17;
Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 46 CTPNCHNGGTCISEAYRGDTFFIGYVCKCPRGFNGIHCOHNI 88
DB 1 CTPNCHNGGTCISEAYRGDTFFIGYVCKCPRGFNGIHCOHNI 43

RESULT 13
US-08-185-432-16
Sequence 16, Application US/08185432

Wed Mar 30 17:27:08 2005

/ Patent No. 5750652
/ GENERAL INFORMATION:
/ APPLICANT: Artavanis-Taakonas, Spyridon
/ APPLICANT: Busseau, Isabelle
/ APPLICANT: Diederich, Robert J.
/ APPLICANT: Xu, Tian
/ APPLICANT: Matsuno, Kenji
/ TITLE OF INVENTION: DELTEx PROTEINS, NUCLEIC ACIDS, AND
/ ANTIBODIES, AND RELATED METHODS AND COMPOSITIONS
/ NUMBER OF SEQUENCES: 23
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: PENNIE & EDMONDS
/ STREET: 1155 Avenue of the Americas
/ CITY: New York
/ STATE: New York
/ COUNTRY: U.S.A.
/ ZIP: 10036-2711
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/185,432
/ FILING DATE: 21-JAN-1994
/ CLASSIFICATION: 530
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Mistrock, S. Leslie
/ REGISTRATION NUMBER: 18,872
/ REFERENCE/DOCKET NUMBER: 7326-006
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (212) 790-9090
/ TELEX: 66141 PENNIE
/ INFORMATION FOR SEQ ID NO: 16:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 2471 amino acids
/ TYPE: amino acid
/ TOPOLOGY: unknown
/ MOLECULE TYPE: protein
/ US-08-185-432-16

Query Match 42.8%; Score 262.5; DB 1; Length 2471;
Best Local Similarity 46.5%; Pred. No. 9e-16;
Matches 47; Conservative 10; Mismatches 33; Indels 11; Gaps 3;

QY 2 DICDPNCPGCGICLPLGLAVGFSCECPDGTDPNCSVVVEVGCTPNPCHNGGTCEISE 61
Db 913 DDCLANPCQNGSCMDG--VNTFSLCLPFGTGDKQOT--DMNECLSEPCCKNGGTC---- 964

QY 62 AYRGDTFTGVYCKPRGFNGIHCOHNECEVEPCCKNGGIC 102
Db 965 ---SDYVNSYTCCKQAGFDGVHCENNECTESSCFNGGTC 1002

RESULT 14
US-08-083-590A-19
/ Sequence 19, Application US/08083590A
/ Patent No. 5786158
/ GENERAL INFORMATION:
/ APPLICANT: Artavanis-Taakonas, S. et al.
/ TITLE OF INVENTION: Therapeutic And Diagnostic Methods
/ AND COMPOSITIONS BASED ON NO. 5786158ch Proteins And
/ Nucleic Acids
/ NUMBER OF SEQUENCES: 21
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Pennie & Edmonds
/ STREET: 1155 Avenue of the Americas
/ CITY: New York
/ STATE: New York
/ COUNTRY: U.S.A.
/ ZIP: 10036
/ COMPUTER READABLE FORM:

/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/083,590A
/ FILING DATE: 25-JUN-1993
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Mistrock, S. Leslie
/ REGISTRATION NUMBER: 18,872
/ REFERENCE/DOCKET NUMBER: 7326-015
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 212 790-9090
/ TELEX: 66141 PENNIE
/ INFORMATION FOR SEQ ID NO: 19:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 2471 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: unknown
/ MOLECULE TYPE: peptide
/ US-08-083-590A-19

Query Match 42.8%; Score 262.5; DB 1; Length 2471;
Best Local Similarity 46.5%; Pred. No. 9e-16;
Matches 47; Conservative 10; Mismatches 33; Indels 11; Gaps 3;

QY 2 DICDPNCPGCGICLPLGLAVGFSCECPDGTDPNCSVVVEVGCTPNPCHNGGTCEISE 61
Db 913 DDCLANPCQNGSCMDG--VNTFSLCLPFGTGDKQOT--DMNECLSEPCCKNGGTC---- 964

QY 62 AYRGDTFTGVYCKPRGFNGIHCOHNECEVEPCCKNGGIC 102
Db 965 ---SDYVNSYTCCKQAGFDGVHCENNECTESSCFNGGTC 1002

RESULT 15
US-08-532-384-19
/ Sequence 19, Application US/08532384
/ Patent No. 6083904
/ GENERAL INFORMATION:
/ APPLICANT: Artavanis-Taakonas, S. et al.
/ TITLE OF INVENTION: Therapeutic And Diagnostic Methods
/ AND COMPOSITIONS BASED ON NO. 6083904ch Proteins And
/ Nucleic Acids
/ NUMBER OF SEQUENCES: 21
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Pennie & Edmonds
/ STREET: 1155 Avenue of the Americas
/ CITY: New York
/ STATE: New York
/ COUNTRY: U.S.A.
/ ZIP: 10036
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/532,384
/ FILING DATE:
/ CLASSIFICATION: 424
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/083,590
/ FILING DATE: 25-JUN-1993
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Mistrock, S. Leslie
/ REGISTRATION NUMBER: 18,872
/ REFERENCE/DOCKET NUMBER: 7326-015
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 212 790-9090

```

; TELEFAX: 212 869864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2471 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; US-08-532-384-19

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Query Match      42.8%; Score 262.5; DB 3; Length 2471;
Best Local Similarity 46.5%; Pred. No. 9e-16;
Matches 47; Conservative 10; Mismatches 33; Indels 11; Gaps 3;

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Db      913 DDCLANPCQNGSGCMDG--VNTFSCICLPFTGDKCQT--DMNECLSEPCKNGGTC---- 964

QY      62 AYRGDTFPIGYVCKPRGFNGIHQHNINECEVEPCKNGGIC 102
Db      965 ---SDYVNSYTKCKQAGFDGVHCENNINECTESSCFNGGTC 1002

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Search completed: March 26, 2005, 08:07:56
Job time : 6.77121 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 26, 2005, 08:04:50 ; Search time 13.6265 Seconds
(without alignments)
2502.733 Million cell updates/sec

Title: US-09-237-981E-31
Perfect score: 614
Sequence: 1 XDICDPNCPENGICUPGLA.....CQHINCEVEBPCKNGGICT 103

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1407402 seqs, 331100923 residues

Total number of hits satisfying chosen parameters: 1407402

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
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7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
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17: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
18: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
19: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----------------------|-------------------|
| 1 | 591 | 96.3 | 480 | 14 US-10-177-293-122 | Sequence 122, App |
| 2 | 267.5 | 43.6 | 572 | 10 US-09-900-449A-7 | Sequence 7, Appli |
| 3 | 267.5 | 43.6 | 1064 | 14 US-10-173-461-5 | Sequence 5, Appli |
| 4 | 267.5 | 43.6 | 2524 | 15 US-10-190-115-25 | Sequence 25, Appl |
| 5 | 267.5 | 43.6 | 2524 | 15 US-10-369-072-25 | Sequence 25, Appl |
| 6 | 262.5 | 42.8 | 1473 | 15 US-10-190-115-4 | Sequence 4, Appli |
| 7 | 262.5 | 42.8 | 1473 | 15 US-10-369-072-4 | Sequence 4, Appli |
| 8 | 262.5 | 42.8 | 2203 | 16 US-10-322-281-726 | Sequence 726, App |
| 9 | 262.5 | 42.8 | 2471 | 17 US-10-765-727-23 | Sequence 57, Appl |
| 10 | 262.5 | 42.8 | 2471 | 17 US-10-846-989-57 | Sequence 57, Appl |
| 11 | 262.5 | 42.8 | 2471 | 17 US-10-764-415B-40 | Sequence 40, Appl |
| 12 | 257.5 | 41.9 | 2469 | 15 US-10-190-115-2 | Sequence 2, Appli |
| 13 | 257.5 | 41.9 | 2469 | 15 US-10-369-072-2 | Sequence 2, Appli |

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|----|-------|------|------|----|---------------------|-------------------|
| 14 | 253.5 | 41.3 | 2447 | 15 | US-10-190-115-28 | Sequence 28, Appl |
| 15 | 253.5 | 41.3 | 2447 | 15 | US-10-369-072-28 | Sequence 28, Appl |
| 16 | 253 | 41.2 | 2556 | 15 | US-10-072-012-134 | Sequence 134, App |
| 17 | 252 | 41.0 | 2531 | 15 | US-10-190-115-29 | Sequence 29, Appl |
| 18 | 252 | 41.0 | 2531 | 15 | US-10-369-072-29 | Sequence 29, Appl |
| 19 | 252 | 41.0 | 2531 | 15 | US-10-072-012-470 | Sequence 470, App |
| 20 | 252 | 41.0 | 2531 | 15 | US-10-072-012-471 | Sequence 471, App |
| 21 | 251.5 | 41.0 | 566 | 10 | US-09-900-449A-6 | Sequence 6, Appli |
| 22 | 251.5 | 41.0 | 639 | 10 | US-09-900-449A-4 | Sequence 4, Appli |
| 23 | 247.5 | 40.3 | 601 | 10 | US-09-900-449A-5 | Sequence 5, Appli |
| 24 | 247.5 | 40.3 | 2503 | 16 | US-10-322-281-723 | Sequence 723, App |
| 25 | 246 | 40.1 | 2444 | 9 | US-09-944-849-2 | Sequence 2, Appli |
| 26 | 246 | 40.1 | 2444 | 15 | US-10-072-012-469 | Sequence 469, App |
| 27 | 246 | 40.1 | 2555 | 15 | US-10-072-012-468 | Sequence 468, App |
| 28 | 246 | 40.1 | 2556 | 15 | US-10-294-006-12 | Sequence 12, Appl |
| 29 | 246 | 40.1 | 2556 | 15 | US-10-072-012-457 | Sequence 467, App |
| 30 | 246 | 40.1 | 2556 | 17 | US-10-765-727-22 | Sequence 22, Appl |
| 31 | 246 | 40.1 | 2556 | 17 | US-10-846-989-55 | Sequence 56, Appl |
| 32 | 246 | 40.1 | 2556 | 17 | US-10-764-415B-39 | Sequence 39, Appl |
| 33 | 245.5 | 40.0 | 4544 | 15 | US-10-085-198-22 | Sequence 22, Appl |
| 34 | 245 | 39.9 | 589 | 16 | US-10-731-741-2 | Sequence 2, Appli |
| 35 | 245 | 39.9 | 589 | 16 | US-10-731-741-5 | Sequence 5, Appli |
| 36 | 243.5 | 39.7 | 2471 | 15 | US-10-190-115-27 | Sequence 27, Appl |
| 37 | 243.5 | 39.7 | 2471 | 15 | US-10-369-072-27 | Sequence 27, Appl |
| 38 | 242 | 39.4 | 2317 | 15 | US-10-190-115-26 | Sequence 26, Appl |
| 39 | 242 | 39.4 | 2317 | 15 | US-10-369-072-26 | Sequence 26, Appl |
| 40 | 242 | 39.4 | 2321 | 14 | US-10-356-625-2 | Sequence 2, Appli |
| 41 | 242 | 39.4 | 2321 | 16 | US-10-408-765A-1634 | Sequence 1634, Ap |
| 42 | 241.5 | 39.3 | 4961 | 14 | US-10-114-153-64 | Sequence 64, Appl |
| 43 | 239.5 | 39.0 | 1404 | 9 | US-09-944-849-8 | Sequence 8, Appli |
| 44 | 239 | 38.9 | 585 | 16 | US-10-644-548-5 | Sequence 5, Appli |
| 45 | 238.5 | 38.8 | 3568 | 15 | US-10-028-248A-8 | Sequence 8, Appli |

ALIGNMENTS

RESULT 1

US-10-177-293-122
; Sequence 122, Application US/10177293
; Publication No. US20030124128A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarpu, Manjula
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: East Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10177,293
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25

Wed Mar 30 17:27:09 2005

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; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 122
; LENGTH: 480
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-177-293-122

Query Match          96.3%; Score 591; DB 14; Length 480;
Best Local Similarity 90.2%; Pred. No. 7.1e-46;
Matches 101; Conservative 0; Mismatches 1; Indels 10; Gaps 1;

QY 2 DICDPNCPENGICLPLGLAVGFSCEPCDGTDPNCSVVVEV-----GPTCPNPC 51
DB 24 DICDPNCPENGICLPLGLADGFSCEPCDGTDPNCSVVVEVASDEEPTSGPTCPNPC 83

QY 52 HNGGTCEISEAYRGDTFIGYVCKPRGFNGHCOHNECEVEPCCKNGGICT 103
DB 84 HNGGTCEISEAYRGDTFIGYVCKPRGFNGHCOHNECEVEPCCKNGGICT 135

RESULT 2
US-09-900-449A-7
; Sequence 7, Application US/09900449A
; Publication No. US20030040616A1
; GENERAL INFORMATION:
; APPLICANT: ZHONG, Jenny et al.
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL001271
; CURRENT APPLICATION NUMBER: US/09/900,449A
; CURRENT FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 572
; TYPE: PRT
; ORGANISM: Strongylocentrotus purpuratus
US-09-900-449A-7

Query Match          43.6%; Score 267.5; DB 10; Length 572;
Best Local Similarity 46.5%; Pred. No. 2.6e-16;
Matches 47; Conservative 10; Mismatches 33; Indels 11; Gaps 3;

QY 2 DICDPNCPENGICLPLGLAVGFSCEPCDGTDPNCSVVVEVGPCTPNCHNGTCEISE 61
DB 3 DDCDNLQNGAAGTCTD--LVNDYACTCPGFTGNCB--IDIDECASDPQNGGACV--- 55

QY 62 AYRGDTFIGYVCKPRGFNGHCOHNECEVEPCCKNGGIC 102
DB 56 ----DGVNGYVCNCPGPDGDECENINECASSPLNGGIC 92

RESULT 3
US-10-173-461-5
; Sequence 5, Application US/10173461
; Publication No. US20030138795A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN GROWTH FACTOR WITH HOMOLOGY
; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR, BGS-8, EXPRESSED HIGHLY IN IMMUNE TISSU
; FILE REFERENCE: D0166 NP
; CURRENT APPLICATION NUMBER: US/10/173,461
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: US 60/298,340
; PRIOR FILING DATE: 2001-06-14
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PatentIn version 3.0
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; LENGTH: 1064
; TYPE: PRT
; ORGANISM: Strongylocentrotus purpuratus
US-10-173-461-5

Query Match          43.6%; Score 267.5; DB 14; Length 1064;
Best Local Similarity 46.5%; Pred. No. 4.7e-16;
Matches 47; Conservative 10; Mismatches 33; Indels 11; Gaps 3;

QY 2 DICDPNCPENGICLPLGLAVGFSCEPCDGTDPNCSVVVEVGPCTPNCHNGTCEISE 61
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QY 62 AYRGDTFIGYVCKPRGFNGHCOHNECEVEPCCKNGGIC 102
DB 231 ----DGVNGYVCNCPGPDGDECENINECASSPLNGGIC 267

RESULT 4
US-10-190-115-25
; Sequence 25, Application US/10190115
; Publication No. US20030207394A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, John P. II
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Grosse, William M.
; APPLICANT: Gusev, Vladimir Y.
; APPLICANT: Ji, Weizhen
; APPLICANT: Lepley, Denise M.
; APPLICANT: Liu, Xiaohong
; APPLICANT: Mezick, Amanda J.
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Patturajan, Meera
; APPLICANT: Rastelli, Luca
; APPLICANT: Shen, Lei
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Shimkets, Richard A.
; APPLICANT: Spaderma, Steven K.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Szekeres, Edward S. Jr.
; APPLICANT: Taupier, Raymond J. Jr.
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Voss, Edward Z.
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-050 CIP
; CURRENT APPLICATION NUMBER: US/10/190,115
; CURRENT FILING DATE: 2003-02-10
; PRIOR APPLICATION NUMBER: 60/303,168
; PRIOR FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/368,996
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 60/386,816
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: 60/215,854
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,856
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,902
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/216,585,
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/216,586
; PRIOR FILING DATE: 2001-07-07
; PRIOR APPLICATION NUMBER: 60/216,722
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/218,622
; PRIOR FILING DATE: 2000-07-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 136
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; ORGANISM: Homo sapiens
US-10-190-115-25

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QY 91 CEVEPCKNGGIC 102
Db 1025 CDSKPCLINGGTC 1036

RESULT 5
US-10-369-072-25
; Sequence 25, Application US/10369072
; Publication No. US20040014081A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook II, John P
; APPLICANT: Spaderna, Stephen K
; APPLICANT: Tchernev, Velizar
; APPLICANT: Liu, Xiaohong
; APPLICANT: Shenoy, Suresh
; APPLICANT: Spytek, Kimberly
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Taupier, Raymond T
; APPLICANT: Rastelli, Luca
; APPLICANT: Grosse, William M
; APPLICANT: Szerkes, Edward S
; APPLICANT: Lepley, Denise M
; APPLICANT: Shen, Lei
; APPLICANT: Burgess, Catherine E
; APPLICANT: Shimkets, Richard
; APPLICANT: Padigaru, Muralidhara
; TITLE OF INVENTION: No. US20040014081A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-050 CON2
; CURRENT APPLICATION NUMBER: US/10/369,072
; CURRENT FILING DATE: 2003-02-18
; PRIOR FILING DATE: 10/174,372
; PRIOR FILING DATE: 2002-06-17
; PRIOR APPLICATION NUMBER: 09/898,994
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: 60/215,854
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,856
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,902
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/216,585
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/216,586
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/216,722
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/218,622
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 60/218,992
; PRIOR FILING DATE: 2000-07-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 25
; LENGTH: 2524
; TYPE: PRT
; ORGANISM: Xenopus laevis
US-10-369-072-25

Query Match      43.6%; Score 267.5; DB 15; Length 2524;
Best Local Similarity 37.1%; Pred. No. 1.1e-15;
Matches 49; Conservative 10; Mismatches 38; Indels 35; Gaps 4;

QY 2 DICDNPCEGGGICLPLAVGSPSCPCPDGFTDPNCSVVVEVGPCTPNPCHNGGT-----56
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QY 57 -----CEISEAYRGDTFFIG-----YVCKCPRGFGNGIHCQHNINE 90
Db 965 NSYTCTCQPFSGIHCHESNTPDCTESSCFNGGTCIDGINTFTCCQPPGFTGSCQHDINE 1024
QY 91 CEVEPCKNGGIC 102
Db 1025 CDSKPCLINGGTC 1036

RESULT 6
US-10-190-115-4
; Sequence 4, Application US/10190115
; Publication No. US20030207394A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook, John P. II
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Grosse, William M.
; APPLICANT: Gusev, Vladimir Y.
; APPLICANT: Ji, Weizhen
; APPLICANT: Lepley, Denise M.
; APPLICANT: Liu, Xiaohong
; APPLICANT: Mezick, Amanda J.
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Patturajan, Meera
; APPLICANT: Rastelli, Luca
; APPLICANT: Shen, Lei
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Shimkets, Richard A.
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Szerkes, Edward S. Jr.
; APPLICANT: Taupier, Raymond J. Jr.
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Voss, Edward Z.
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-050 CIP
; CURRENT APPLICATION NUMBER: US/10/190,115
; CURRENT FILING DATE: 2003-02-10
; PRIOR APPLICATION NUMBER: 60/303,168
; PRIOR FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/368,996
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 60/386,816
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: 60/215,854
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,856
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,902
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/216,585
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/216,586
; PRIOR FILING DATE: 2001-07-07
; PRIOR APPLICATION NUMBER: 60/216,722
; PRIOR FILING DATE: 2000-07-07
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Wed Mar 30 17:27:09 2005

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; PRIOR APPLICATION NUMBER: 60/218,622
; PRIOR FILING DATE: 2000-07-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 136
; SOFTWARE: Curaseqdist version 0.1
; SEQ ID NO 4
; LENGTH: 1473
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-190-115-4

Query Match      42.8%; Score 262.5; DB 15; Length 1473;
Best Local Similarity 46.5%; Pred. No. 1.8e-15;
Matches 47; Conservative 10; Mismatches 33; Indels 11; Gaps 3;

QY      2 DCDPNPCNGGICLPLGLAVGFSCEPCPDGFTDPNCSSVVEVGCTPNPCHNGGTCEISE 61
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Db      913 DDCLANPCQNGSCMDG--VNTFSCLCPLGFTGDKCQT--DMNECLSEPCKNGGTC---- 964

QY      62 AYRGDTFTGIVCKPRGFNGIHCOHNINECEVEPCKNGGIC 102
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Db      965 ---SDVNSYTKCQAGFDGVHCENNINECTESSCFNGGTC 1002

RESULT 7
US-10-369-072-4
; Sequence 4, Application US/10369072
; Publication No. US20040014081A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook II, John P
; APPLICANT: Spaderna, Stephen K
; APPLICANT: Tchernev, Velizar
; APPLICANT: Liu, Xiaohong
; APPLICANT: Shenoy, Suresh
; APPLICANT: Spytek, Kimberly
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Taupier, Raymond T
; APPLICANT: Rastelli, Luca
; APPLICANT: Grosse, William M
; APPLICANT: Szerkeres, Edward S
; APPLICANT: Lepley, Denise M
; APPLICANT: Shen, Lei
; APPLICANT: Burgess, Catherine E
; APPLICANT: Shimkets, Richard
; APPLICANT: Padigaru, Muralidhara
; TITLE OF INVENTION: No. US20040014081A1e1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-050 CON2
; CURRENT APPLICATION NUMBER: US/10/369,072
; CURRENT FILING DATE: 2003-02-18
; PRIOR APPLICATION NUMBER: 10/174,372
; PRIOR FILING DATE: 2002-06-17
; PRIOR APPLICATION NUMBER: 09/898,994
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: 60/215,854
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,856
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,902
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/216,585
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/216,586
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/216,722
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/218,622
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 60/218,992
; PRIOR FILING DATE: 2000-07-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn Ver. 2.1
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; SEQ ID NO 4
; LENGTH: 1473
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-369-072-4

Query Match      42.8%; Score 262.5; DB 15; Length 1473;
Best Local Similarity 46.5%; Pred. No. 1.8e-15;
Matches 47; Conservative 10; Mismatches 33; Indels 11; Gaps 3;

QY      2 DCDPNPCNGGICLPLGLAVGFSCEPCPDGFTDPNCSSVVEVGCTPNPCHNGGTCEISE 61
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Db      913 DDCLANPCQNGSCMDG--VNTFSCLCPLGFTGDKCQT--DMNECLSEPCKNGGTC---- 964

QY      62 AYRGDTFTGIVCKPRGFNGIHCOHNINECEVEPCKNGGIC 102
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Db      965 ---SDVNSYTKCQAGFDGVHCENNINECTESSCFNGGTC 1002

RESULT 8
US-10-322-281-726
; Sequence 726, Application US/10322281
; Publication No. US20040126762A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
; FILE REFERENCE: 529452001000
; CURRENT APPLICATION NUMBER: US/10/322,281
; CURRENT FILING DATE: 2002-12-17
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 726
; LENGTH: 2203
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-322-281-726

Query Match      42.8%; Score 262.5; DB 16; Length 2203;
Best Local Similarity 46.5%; Pred. No. 2.7e-15;
Matches 47; Conservative 10; Mismatches 33; Indels 11; Gaps 3;

QY      2 DCDPNPCNGGICLPLGLAVGFSCEPCPDGFTDPNCSSVVEVGCTPNPCHNGGTCEISE 61
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      657 DDCLANPCQNGSCMDG--VNTFSCLCPLGFTGDKCQT--DMNECLSEPCKNGGTC---- 708

QY      62 AYRGDTFTGIVCKPRGFNGIHCOHNINECEVEPCKNGGIC 102
      |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      709 ---SDVNSYTKCQAGFDGVHCENNINECTESSCFNGGTC 746

RESULT 9
US-10-765-727-23
; Sequence 23, Application US/10765727
; Publication No. US20050025751A1
; GENERAL INFORMATION:
; APPLICANT: BODMER, MARK WILLIAM
; APPLICANT: BRIEND, EMMANUEL CYRILLE PASCAL
; APPLICANT: CHAMPION, BRIAN ROBERT
; APPLICANT: YOUNG, LESLEY LYNN
; TITLE OF INVENTION: MODULATORS OF NOTCH SIGNALLING FOR USE IN IMMUNOTHERAPY
; FILE REFERENCE: 674525-2010
; CURRENT APPLICATION NUMBER: US/10/765,727
; CURRENT FILING DATE: 2004-01-23
; PRIOR APPLICATION NUMBER: PCT/GB02/03426
; PRIOR FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: GB 0118153.6
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: GB 0207930.9
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: GB 0212282.8
; PRIOR FILING DATE: 2002-05-28
; PRIOR APPLICATION NUMBER: GB 0212283.6
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; PRIOR FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: Patent In Ver. 3.2
; SEQ ID NO 23
; LENGTH: 2471
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-765-727-23

Query Match      42.8%; Score 262.5; DB 17; Length 2471;
Best Local Similarity 46.5%; Pred. No. 3e-15;
Matches 47; Conservative 10; Mismatches 33; Indels 11; Gaps 3;

QY 2 DICDPNCPENGIGICLPGLAVGSFSCPCPDGFTDPNCSSVVEVGCTPNPCHNGGTCEISE 61
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Db 913 DDCLANPCQGGSCMDG--VNTFSCLCPLGFTGDKCQT--DMNECLSEPCKNGGTC---- 964

QY 62 AYRGDTFIGVCKPRGFNGIHCOHNIENECEVEPCPKNGGIC 102
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Db 965 ---SDVNSYTCRQAGFDGVHCENNINECTESSCFNGGTC 1002

RESULT 10
US-10-846-989-57
; Sequence 57, Application US/10846989
; Publication No. US20050026831A1
; GENERAL INFORMATION:
; APPLICANT: BOWMER, MARK WILLIAM
; APPLICANT: BRIEND, EMMANUEL CYRILLE PASCAL
; APPLICANT: CHAMPION, BRIAN ROBERT
; APPLICANT: LENNARD, ANDREW CHRISTOPHER
; APPLICANT: MCKENZIE, GRAHAME JAMES
; APPLICANT: RAGNO, SILVIA
; APPLICANT: TUGAL, TAMARA
; APPLICANT: YOUNG, LESLEY LYNN
; TITLE OF INVENTION: MEDICAL TREATMENT
; FILE REFERENCE: 654525-2012
; CURRENT APPLICATION NUMBER: US/10/846,989
; CURRENT FILING DATE: 2004-05-14
; PRIOR APPLICATION NUMBER: PCT/GB02/05133
; PRIOR FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: GB 0127271.5
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: GB 0220913.8
; PRIOR FILING DATE: 2002-09-10
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: Patent In Ver. 3.2
; SEQ ID NO 57
; LENGTH: 2471
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-846-989-57

Query Match      42.8%; Score 262.5; DB 17; Length 2471;
Best Local Similarity 46.5%; Pred. No. 3e-15;
Matches 47; Conservative 10; Mismatches 33; Indels 11; Gaps 3;

QY 2 DICDPNCPENGIGICLPGLAVGSFSCPCPDGFTDPNCSSVVEVGCTPNPCHNGGTCEISE 61
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Db 913 DDCLANPCQGGSCMDG--VNTFSCLCPLGFTGDKCQT--DMNECLSEPCKNGGTC---- 964

QY 62 AYRGDTFIGVCKPRGFNGIHCOHNIENECEVEPCPKNGGIC 102
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Db 965 ---SDVNSYTCRQAGFDGVHCENNINECTESSCFNGGTC 1002

RESULT 11
US-10-764-415B-40
; Sequence 40, Application US/10764415B
; Publication No. US20050059093A1
; GENERAL INFORMATION:
; APPLICANT: LORANTIS Ltd.
; TITLE OF INVENTION: Modulations of Notch signalling for use in Immunotherapy
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; FILE REFERENCE: P011073US
; CURRENT APPLICATION NUMBER: US/10/764,415B
; CURRENT FILING DATE: 2004-01-23
; PRIOR APPLICATION NUMBER: GB0118153.6
; PRIOR FILING DATE: 2001-07-01
; PRIOR APPLICATION NUMBER: GB0207930.9
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: GB0212283.6
; PRIOR FILING DATE: 2002-05-28
; PRIOR APPLICATION NUMBER: GB0212282.8
; PRIOR FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: Patent In version 3.0
; SEQ ID NO 40
; LENGTH: 2471
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-764-415B-40

Query Match      42.8%; Score 262.5; DB 17; Length 2471;
Best Local Similarity 46.5%; Pred. No. 3e-15;
Matches 47; Conservative 10; Mismatches 33; Indels 11; Gaps 3;

QY 2 DICDPNCPENGIGICLPGLAVGSFSCPCPDGFTDPNCSSVVEVGCTPNPCHNGGTCEISE 61
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Db 913 DDCLANPCQGGSCMDG--VNTFSCLCPLGFTGDKCQT--DMNECLSEPCKNGGTC---- 964

QY 62 AYRGDTFIGVCKPRGFNGIHCOHNIENECEVEPCPKNGGIC 102
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Db 965 ---SDVNSYTCRQAGFDGVHCENNINECTESSCFNGGTC 1002

RESULT 12
US-10-190-115-2
; Sequence 2, Application US/10190115
; Publication No. US20030207394A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, John P. II
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Grosse, William M.
; APPLICANT: Gusev, Vladimir Y.
; APPLICANT: Ji, Weizhen
; APPLICANT: Lepley, Denise M.
; APPLICANT: Liu, Xiaohong
; APPLICANT: Mezick, Amanda J.
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Patturajan, Meera
; APPLICANT: Rastelli, Luca
; APPLICANT: Shen, Lei
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Shinkets, Richard A.
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Szekeres, Edward S. Jr.
; APPLICANT: Taupier, Raymond J. Jr.
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Zernhusen, Bryan D.
; APPLICANT: Voss, Edward Z.
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-050 CIP
; CURRENT APPLICATION NUMBER: US/10/190,115
; CURRENT FILING DATE: 2003-02-10
; PRIOR APPLICATION NUMBER: 60/303,168
; PRIOR FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/368,996
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 60/386,816
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: 60/215,854
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,856
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; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,902
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/216,585,
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/216,586
; PRIOR FILING DATE: 2001-07-07
; PRIOR APPLICATION NUMBER: 60/216,722
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/218,622
; PRIOR FILING DATE: 2000-07-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 136
; SOFTWARE: Curaseqlist version 0.1
; SEQ ID NO 2
; LENGTH: 2469
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-190-115-2

Query Match      41.9%; Score 257.5; DB 15; Length 2469;
Best Local Similarity 45.5%; Pred. No. 8.5e-15;
Matches 46; Conservative 11; Mismatches 33; Indels 11; Gaps 3;

QY      2 DCDPNPCNGGICLPGLAVGSFCPCPDGFTDPNCSSVVEVGPCTPNCHNGGTCEISE 61
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Db      912 DDCLASPCQNGSCMDG--VNTFSLCLPLPFTGDKCQT--DMNECLSEPCKNGGTC 963

QY      62 AYRGDTFIGYVCKPRGFNGIHCOHNECEVBPCKNGGIC 102
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Db      964 ---SDVNSYTKCQAGFDGVHCENNINECTESSCFNGGTC 1001

RESULT 13
US-10-369-072-2
; Sequence 2, Application US/10369072
; Publication No. US20040014081A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John P
; APPLICANT: Spaderna, Stephen K
; APPLICANT: Tchernev, Velizar
; APPLICANT: Liu, Xiaohong
; APPLICANT: Shenoy, Suresh
; APPLICANT: Spytek, Kimberly
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Taupier, Raymond T
; APPLICANT: Rastelli, Luca
; APPLICANT: Grosse, William M
; APPLICANT: Szerkes, Edward S
; APPLICANT: Shen, Lei
; APPLICANT: Shimkets, Richard
; APPLICANT: Padigaru, Muralidhara
; TITLE OF INVENTION: No. US20040014081A1e1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-050 CON2
; CURRENT APPLICATION NUMBER: US/10/369,072
; CURRENT FILING DATE: 2003-02-18
; PRIOR APPLICATION NUMBER: 10/174,372
; PRIOR FILING DATE: 2002-06-17
; PRIOR APPLICATION NUMBER: 09/898,994
; PRIOR FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: 60/215,854
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,856
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,902
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/216,585
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/216,586
; PRIOR FILING DATE: 2000-07-07
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; PRIOR APPLICATION NUMBER: 60/216,722
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/218,622
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 60/218,992
; PRIOR FILING DATE: 2000-07-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 100
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 2469
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-369-072-2

Query Match      41.9%; Score 257.5; DB 15; Length 2469;
Best Local Similarity 45.5%; Pred. No. 8.5e-15;
Matches 46; Conservative 11; Mismatches 33; Indels 11; Gaps 3;

QY      2 DCDPNPCNGGICLPGLAVGSFCPCPDGFTDPNCSSVVEVGPCTPNCHNGGTCEISE 61
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Db      912 DDCLASPCQNGSCMDG--VNTFSLCLPLPFTGDKCQT--DMNECLSEPCKNGGTC 963

QY      62 AYRGDTFIGYVCKPRGFNGIHCOHNECEVBPCKNGGIC 102
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Db      964 ---SDVNSYTKCQAGFDGVHCENNINECTESSCFNGGTC 1001

RESULT 14
US-10-190-115-28
; Sequence 28, Application US/10190115
; Publication No. US20030207394A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, John P. II
; APPLICANT: Boldog, Ferenc I.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Grosse, William M.
; APPLICANT: Gusev, Vladimir Y.
; APPLICANT: Ji, Weizhen
; APPLICANT: Lepley, Denise M.
; APPLICANT: Liu, Xiaohong
; APPLICANT: Mezzick, Amanda J.
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Patturajan, Meera
; APPLICANT: Rastelli, Luca
; APPLICANT: Shen, Lei
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Shimkets, Richard A.
; APPLICANT: Spaderna, Steven K.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Szerkes, Edward S. Jr.
; APPLICANT: Taupier, Raymond J. Jr.
; APPLICANT: Tchernev, Velizar T.
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Voss, Edward Z.
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-050 CIP
; CURRENT APPLICATION NUMBER: US/10/190,115
; CURRENT FILING DATE: 2003-02-10
; PRIOR APPLICATION NUMBER: 60/303,168
; PRIOR FILING DATE: 2001-07-05
; PRIOR APPLICATION NUMBER: 60/368,996
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 60/386,816
; PRIOR FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: 60/215,854
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,856
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/215,902
; PRIOR FILING DATE: 2000-07-03
; PRIOR APPLICATION NUMBER: 60/216,585,
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; PRIOR APPLICATION NUMBER: 60/216,722
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/218,622
; PRIOR FILING DATE: 2000-07-17
; PRIOR APPLICATION NUMBER: 60/218,992
; PRIOR FILING DATE: 2000-07-17
; Remaining PRIOR Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 100
; SEQWARE: PatentIn Ver. 2.1
; SEQ ID NO 28
; LENGTH: 2447
; TYPE: PRT
; ORGANISM: Takifugu rubripes
US-10-369-072-28

Query Match      41.3%; Score 253.5; DB 15; Length 2447;
Best Local Similarity 36.4%; Pred. No. 2e-14;
Matches 51; Conservative 8; Mismatches 32; Indels 49; Gaps

Qy      2  DICDPNCPENGIGILPGLAVGSFSCPCPDGTFDNCSSWVEGCTPMPCHNGGTCEISE 61
Db      867  DDCSPNCLNGGSCVDD--VGSFSCPCRPGEHCE--IEADCASQPCRNGAICR----- 919

Qy      62  AYRGDTTFIGYVCKCPRGFNGIHCOHNI----- 88
Db      920  ----DYVNSFVCECRGLGFDGLICDHNILLECTESSCLNNGTCIDDINTFSCRCLPGFGTF 975

Qy      89  -----NECEVEPCKNGGICT 103
Db      976  CEYEQNECDSQPCKNGGTCT 995

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Search completed: March 26, 2005, 08:25:02
Job time : 14.6265 secs

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